

## GPS Control Points Survey Points

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**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS**

May 2006



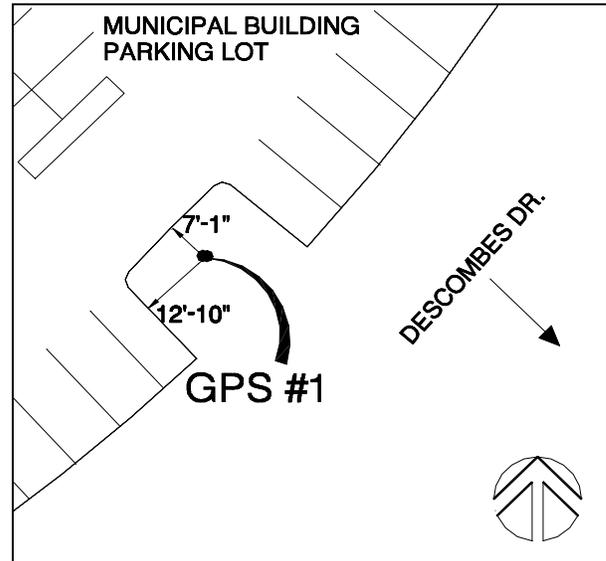
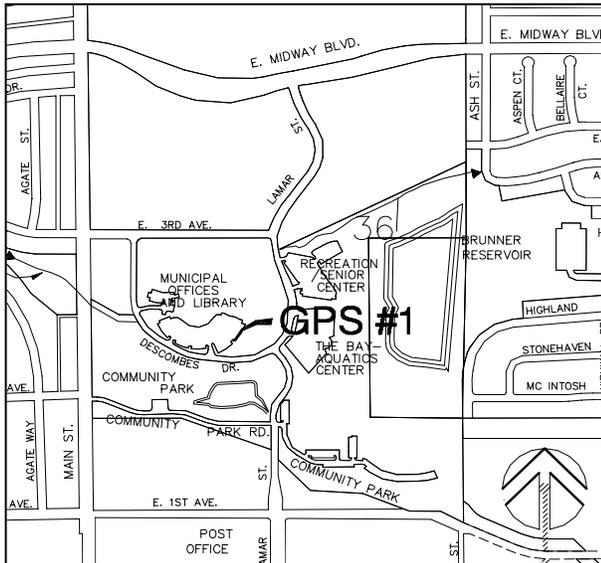
**Designation – GPS No. 1  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)**

GPS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Unpublished** *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°55'10.30551" N	<b>Longitude</b> 105°04'05.16099" W
<b>NSPCS</b>	<b>Northing</b> 1213828.578	<b>Easting</b> 3121140.553
<b>Height (Orthometric)</b>	<b>1628.258 Meters</b>	<b>5342.041 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999973458</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Southwest 1/4 of Section 36, T1S, R69W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of W. 120<sup>th</sup> Ave. and Main St. in Broomfield, go North on Main St. to intersection of E. 3<sup>rd</sup> Ave. then East to intersection of DesCombes Dr., then South to City Municipal Center's median in East parking lot. The mark is a GPS cap in the sidewalk, located 7.0' South of the back of the curb and 12.8' West of the back of the curb.





THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



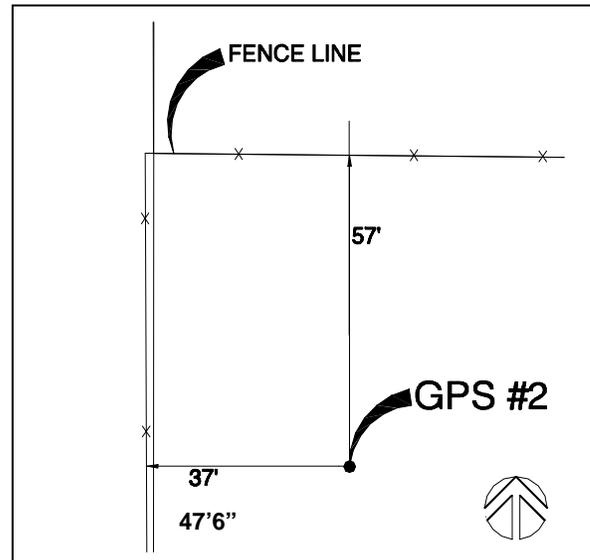
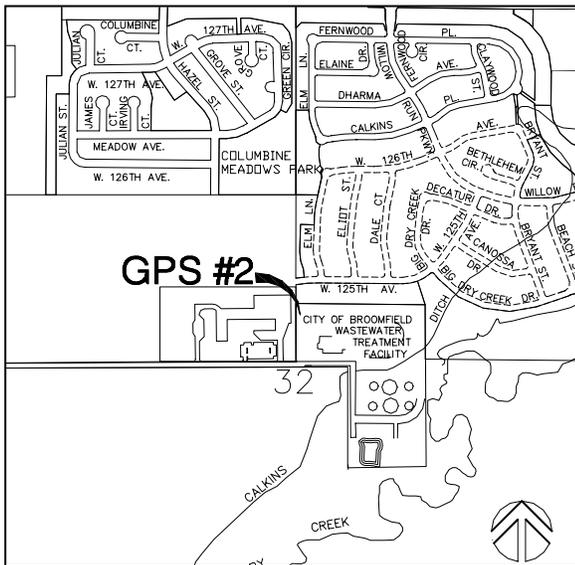
Designation – GPS No. 2  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)

GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°55'20.33150" N	<b>Longitude</b> 105°01'29.14990" W
<b>NSPCS</b>	<b>Northing</b> 1214905.232	<b>Easting</b> 3133290.135
<b>Height (Orthometric)</b>	<b>1594.199 Meters</b>	<b>5230.303 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999973180</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the  
Northeast 1/4 of Section 32, T1S, R68W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of W. 120<sup>th</sup> Ave. and Lowell  
Blvd. in Broomfield, travel North 0.5 miles to W. 124<sup>th</sup> Ave., travel East  
into Wastewater treatment plant. Access the site through a parking lot  
at the Northwest corner of the Administration Building. Continue to a  
bermed area in the Northwest corner of the property. The mark is 57'  
South of the North fence and 47'6" East of the West fence line. The  
mark is a brass 3.25" GPS cap set in concrete at ground level.





THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



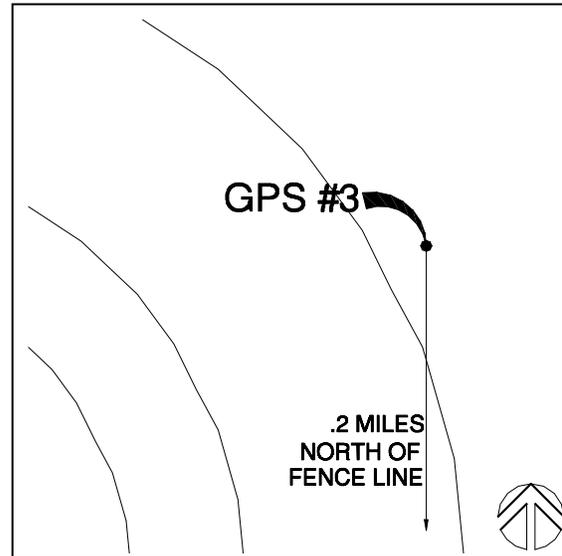
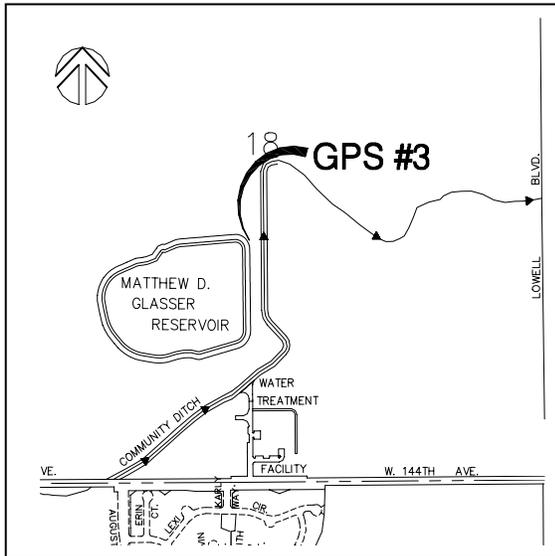
Designation – GPS No. 3  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1984)

GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°57'46.63151" N	<b>Longitude</b> 105°02'35.72264" W
<b>NSPCS</b>	<b>Northing</b> 1229681.391	<b>Easting</b> 3128027.335
<b>Height (Orthometric)</b>	<b>1642.061 Meters</b>	<b>5387.329 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999969390</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Southwest 1/4 of Section 18, T1S, R68W, of the 6<sup>th</sup> Principal Meridian.

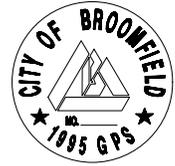
To reach the station from the intersection of Lowell Blvd. and W. 144th Ave. in Broomfield, travel East to the water treatment plant (4395 W. 144th Ave.). Access to the mark is through the treatment plant. Please check in at water treatment plant to gain access to the mark. The mark is 0.2 miles North of the fence line and is a GPS cap in the ground on the Northeast side of the dam.





**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS**

October 24, 2008



**Designation – GPS No. 4  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)**

GPS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

 **NGS Unpublished**      *Broomfield Surveyed Point*

**MONUMENT DESTROYED**

Contact—  
The City and County of Broomfield,  
GIS Division, One DesCombes Dr.,  
Broomfield, CO 80020, 303-464-5834.



**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

May 2006

**Designation – GPS No. 5**  
**State/County – CO/Broomfield**  
**USGS Quad – Lafayette (1994)**



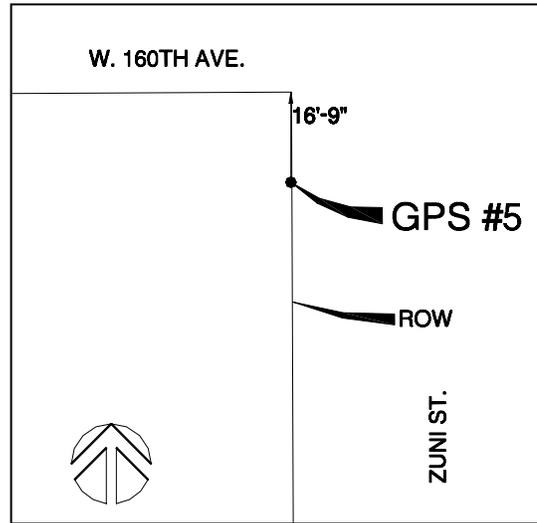
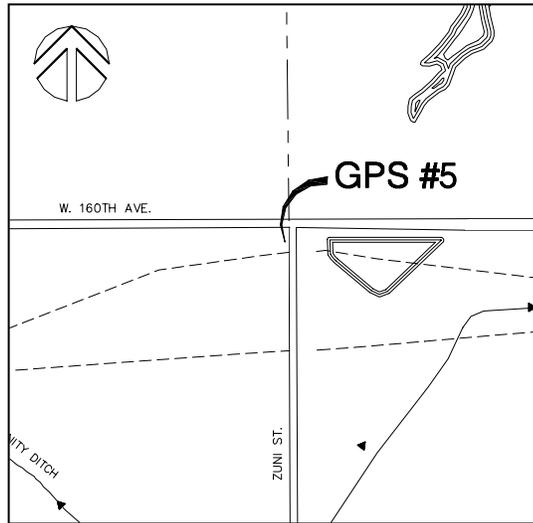
GPS Monument

**Horizontal Datum – Not Available at this time**

**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Unpublished** *Broomfield Surveyed Point*

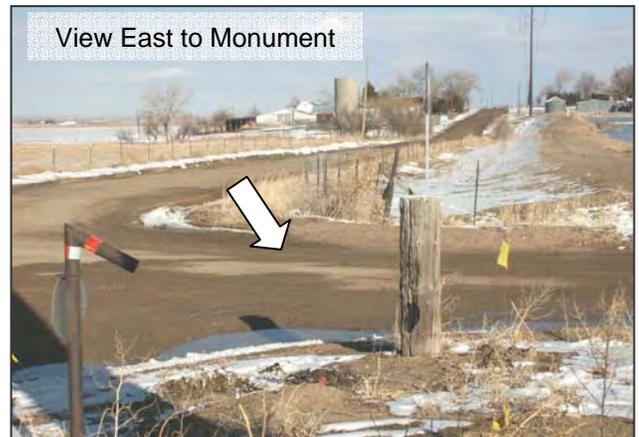
<b>Position</b>	<b>Latitude</b> Not Available	<b>Longitude</b> Not Available
<b>NSPCS</b>	<b>Northing</b> Not Available	<b>Easting</b> Not Available
<b>Height (Orthometric)</b>	<b>1612.261 Meters</b>	<b>5289.561 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>Not Available</b>	



Contact—The City and County of Broomfield, GIS Division,  
 One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield,  
 in the Northeast 1/4 of Section 8, T1S, R68W, of the 6<sup>th</sup>  
 Principal Meridian.

To reach the station from the intersection of W. 120th Ave  
 and Lowell Blvd. In Broomfield, go North on Lowell Blvd.  
 to the intersection of W.160th Ave., then east, to Zuni St.  
 The mark is a rebar in the ground, located in the southwest  
 corner the intersection.





**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

May 2006



**Designation – GPS No. 6**  
**State/County – CO/Broomfield**  
**USGS Quad – Lafayette (1994)**

GPS Monument

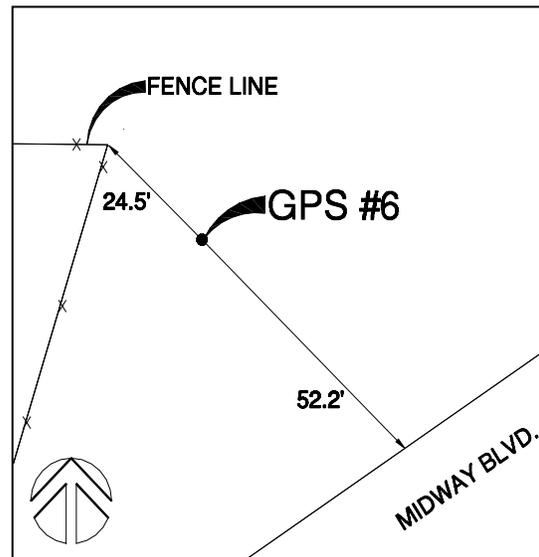
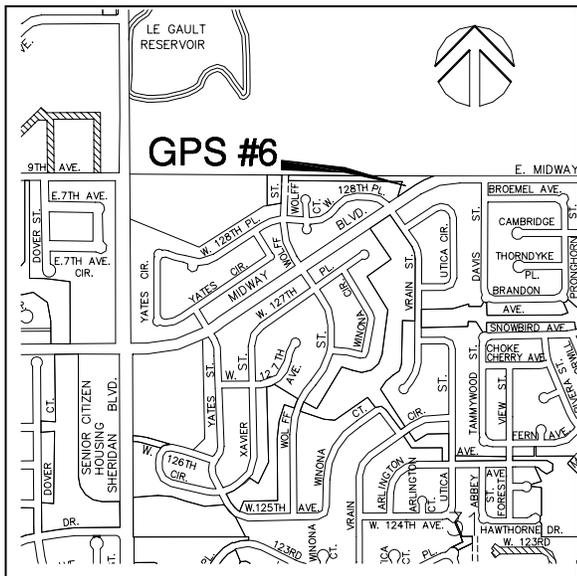
**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet**

**Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**

**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Unpublished**      *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°55'42.97819" N	<b>Longitude</b> 105°02'44.09947" W
<b>NSPCS</b>	<b>Northing</b> 1217166.133	<b>Easting</b> 3127439.219
<b>Height (Orthometric)</b>	<b>1618.494 Meters</b>	<b>5310.008 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999972561</b>	



Contact—The City and County of Broomfield, GIS Division,  
 One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northwest 1/4 of Section 31, T1S, R68W, of the 6<sup>th</sup> Principal Meridian.

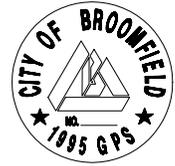
To reach the station from the intersection of E. Midway Blvd. and Sheridan Blvd. in Broomfield, travel East to the intersection of E. Midway Blvd. and W. 128<sup>th</sup> Pl. The mark is on the North side of E. Midway Blvd., 24.5' SE from SW Property Corner and 52.2 north from B.O.C. The mark is a GPS cap in the ground with an orange witness post approximately 1' to the north.





# THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET GPS CONTROL POINTS

May 2006



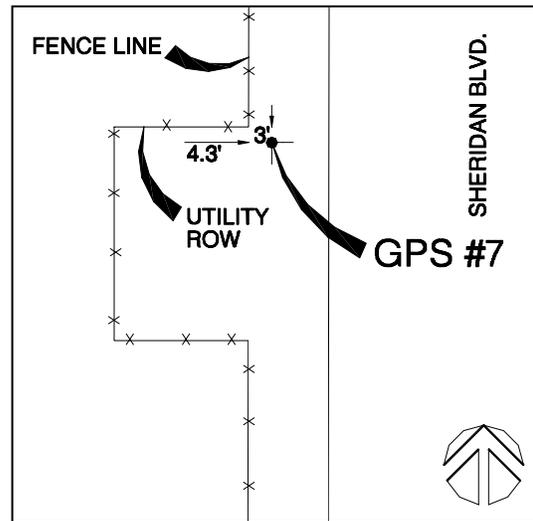
Designation – GPS No. 7  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)

GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°56'08.01393" N	<b>Longitude</b> 105°03'11.66871" W
<b>NSPCS</b>	<b>Northing</b> 1219688.469	<b>Easting</b> 3125278.788
<b>Height (Orthometric)</b>	<b>1626.462 Meters</b>	<b>5336.150 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999971890</b>	



Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Southeast ¼ of Section 25, T1S, R69W of the 6th Principal Meridian.

To reach the station from the intersection of Sheridan Blvd. and W. 136th Ave. travel South on Sheridan Blvd. to 200 ft. South of E. 13th Ave. on the West side of Sheridan Blvd. The mark is a cap in the ground located 4.3' West of the fence ROW and 3' South of the utility easement.





**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

May 2006



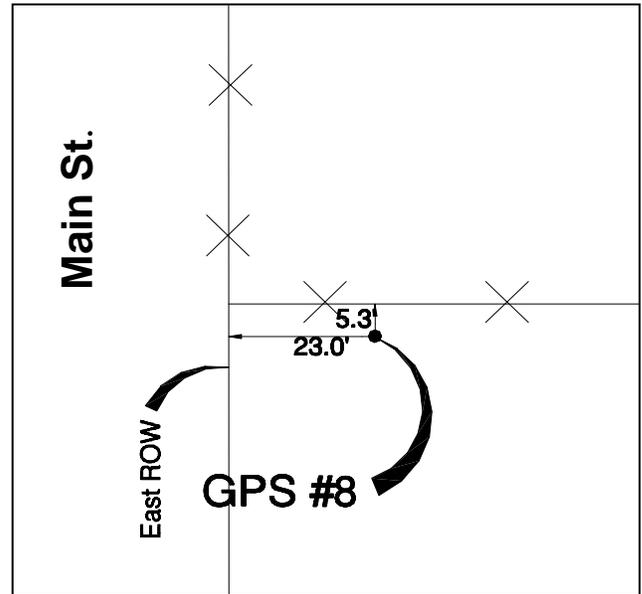
**Designation – GPS No. 8**  
**State/County – CO/Broomfield**  
**USGS Quad – Lafayette (1994)**

GPS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**  
**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Unpublished**      *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°54'25.53425" N	<b>Longitude</b> 105°04'17.68645" W
<b>NSPCS</b>	<b>Northing</b> 1209293.652	<b>Easting</b> 3120186.565
<b>Height (Orthometric)</b>	<b>1631.977 Meters</b>	<b>5354.244 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.99997472</b>	



Contact—The City and County of Broomfield, GIS Division,  
 One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northwest 1/4 of Section 1 T2S, R69W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of W 120<sup>th</sup> Ave. and Main St. in Broomfield, go South on Main St. to the intersection of W. 116<sup>th</sup> Ave., then south to a greenbelt on the East side of street. The mark is a GPS cap in the ground, located 5.33' south of the north fence line, 23.0' east of the west fence line or the east ROW line of Main St.





**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

May 2006



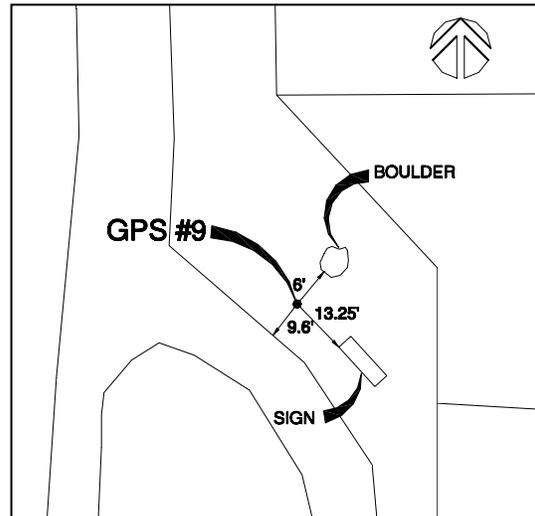
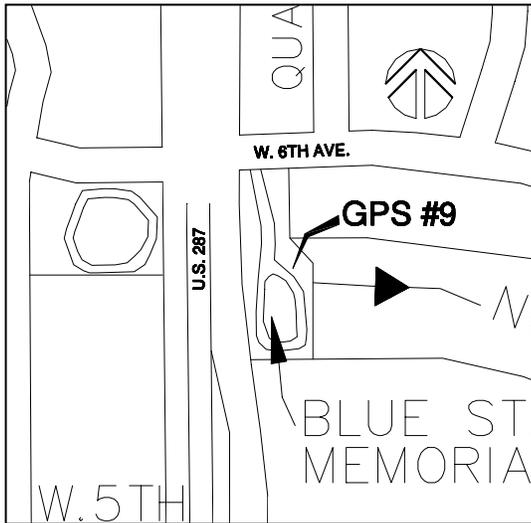
**Designation – GPS No. 9**  
**State/County – CO/Broomfield**  
**USGS Quad – Lafayette (1994)**

GPS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**  
**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Unpublished**      *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°55'30.44106" N	<b>Longitude</b> 105°05'24.74296" W
<b>NSPCS</b>	<b>Northing</b> 1215836.576	<b>Easting</b> 3114930.796
<b>Height (Orthometric)</b>	<b>1643.129 Meters</b>	<b>5390.831 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999972902</b>	



Contact—The City and County of Broomfield, GIS Division,  
 One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northwest 1/4 of Section 35, T1S, R69W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of U.S. Highway 287 and U.S. Highway 36 in Broomfield, go North on U.S. Highway 287 to the intersection of W.6th Ave., then east, then immediately south following the parking area to the east side of the Blue Star Memorial Park. The mark is a GPS cap in the ground, located on the north side of the "Blue Star Memorial Park" stone sign.



View East to Monument



THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



Designation – GPS No. 10  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)

GPS Monument

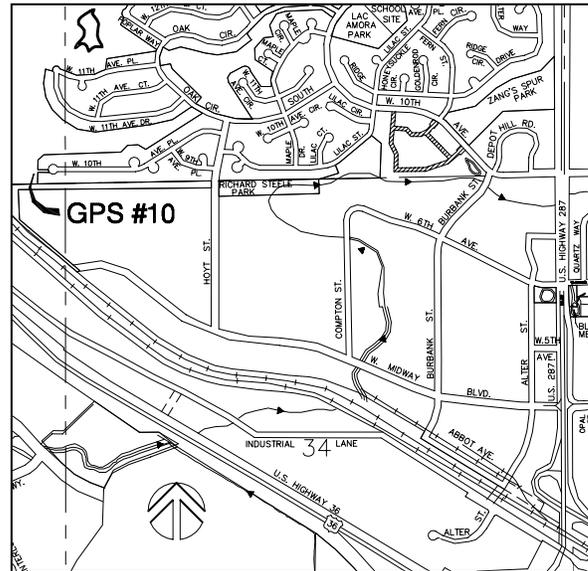
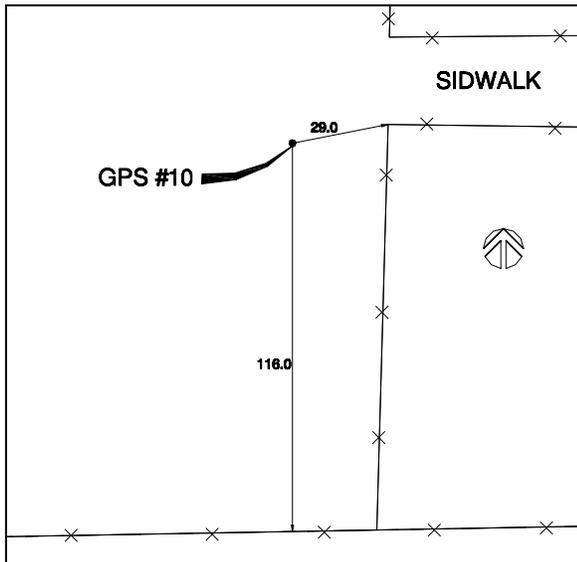
Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet

Ellipsoid GRS 80 – (Geodetic Reference System of 1980)

Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°55'44.11528" N	<b>Longitude</b> 105°06'38.75890" W
<b>NSPCS</b>	<b>Northing</b> 1217194.231	<b>Easting</b> 3109158.504
<b>Height (Orthometric)</b>	<b>1660.701 Meters</b>	<b>5448.484 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999972530</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Southeast 1/4 of Section 28, T1S, R69W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of Midway Blvd. and US Highway 287 in Broomfield, travel West to the intersection of Midway Blvd. and Hoyt St., then North to the intersection of Hoyt St. and W. 10<sup>th</sup> Ave. Pl., then West to the end of the street. The mark is 29.0' West of lot corner and 116' North of fence. The mark is a GPS cap set in concrete in the ground with an orange witness post approx. 1' to the South.





**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

*April 2004*

**Designation – GPS No. 12**  
**State/County – CO/Broomfield**  
**USGS Quad – Lafayette (1994)**



GPS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**  
**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Unpublished**      *Broomfield Surveyed Point*

**MONUMENT DESTROYED**

Contact—  
The City and County of Broomfield,  
GIS Division, One DesCombes Dr.,  
Broomfield, CO 80020, 303-464-5834.



THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



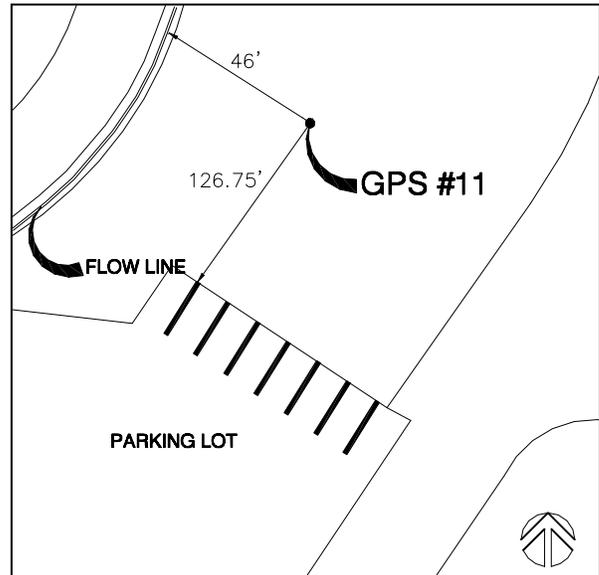
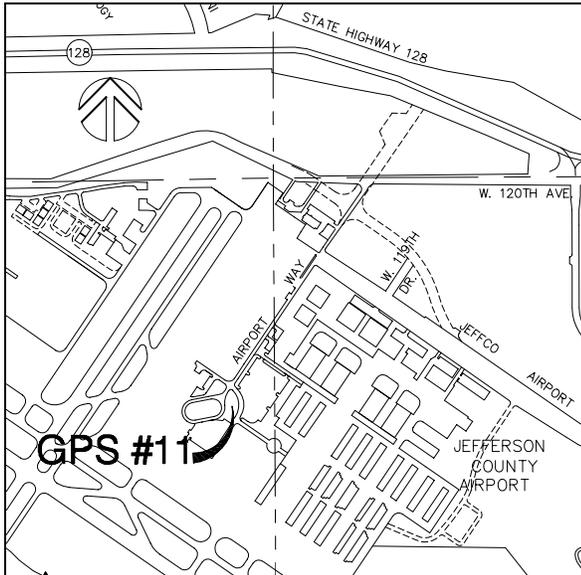
Designation – GPS No. 11  
State/County – CO/Boulder  
USGS Quad – Lafayette (1994)

GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°54'35.67554" N	<b>Longitude</b> 105°06'37.30443" W
<b>NSPCS</b>	<b>Northing</b> 1210269.618	<b>Easting</b> 3109302.237
<b>Height (Orthometric)</b>	<b>1706.950 Meters</b>	<b>5600.219 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999974436</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in the Jefferson County Airport, in the  
Northeast 1/4 of Section 4, T2S, R69W, of the 6<sup>th</sup> Principal Meridian.

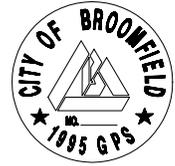
To reach the station from the intersection of Highway 121 and  
JEFFCO Airport Ave., travel West to intersection of JEFFCO Airport  
Ave. and Airport Way, then travel South to a location east of tower,  
the mark is 46' East of Airport Way ROW, 126.75' North of parking  
lot flow line. The mark is a GPS cap in the ground.





**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS**

May 2006



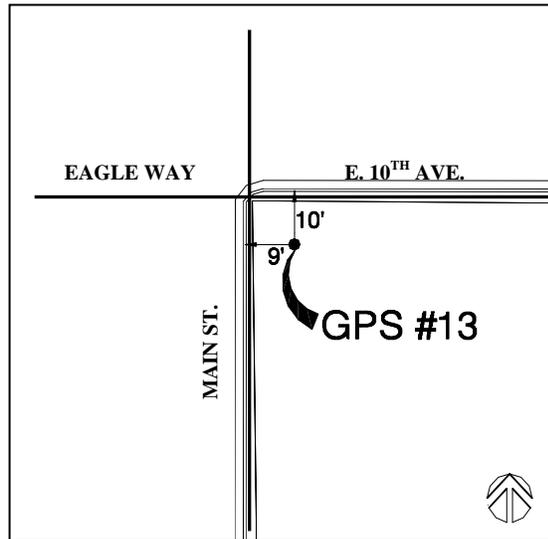
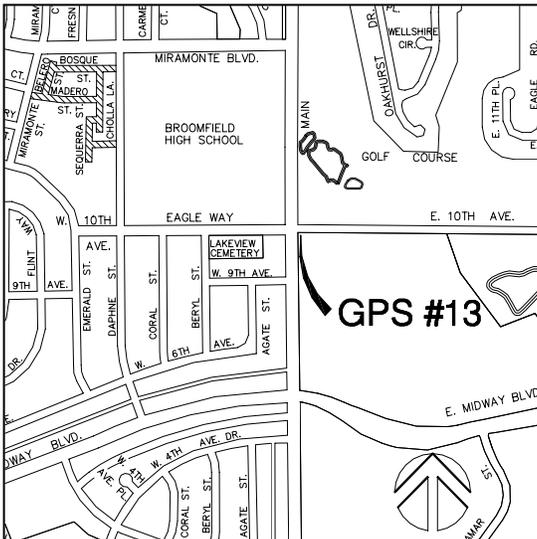
**Designation – GPS No. 13**  
**State/County – CO/Broomfield**  
**USGS Quad – Lafayette (1994)**

GPS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**  
**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Unpublished**      *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°55'43.39185" N	<b>Longitude</b> 105°04'18.11807" W
<b>NSPCS</b>	<b>Northing</b> 1217171.535	<b>Easting</b> 3120114.879
<b>Height (Orthometric)</b>	<b>1637.509 Meters</b>	<b>5372.393 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999972550</b>	



Contact—The City and County of Broomfield, GIS Division,  
 One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northwest 1/4 of Section 36, T1S, R69W, of the 6th Principal Meridian.

To reach the station from the intersection of Main St. and Eagle Way/E. 10th AVE. in Broomfield, travel to the Southeast corner of the intersection. The mark is 10' South of the E. 10th AVE. flow line and 9' East of the Main Street flow line. The mark is a 2" round cap set in concrete.





**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

May 2006



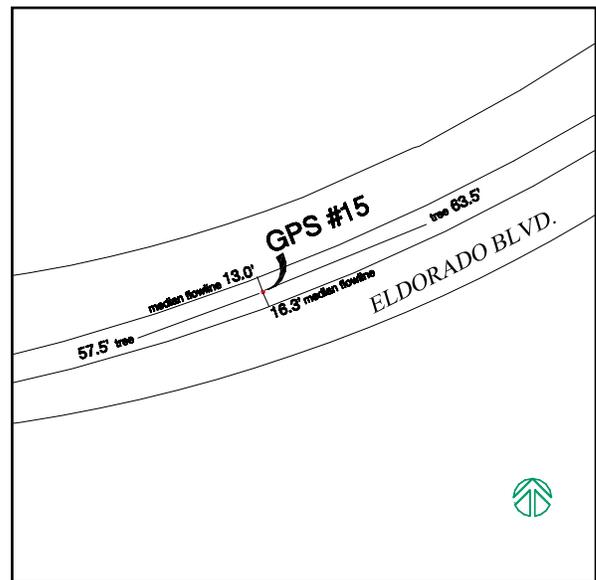
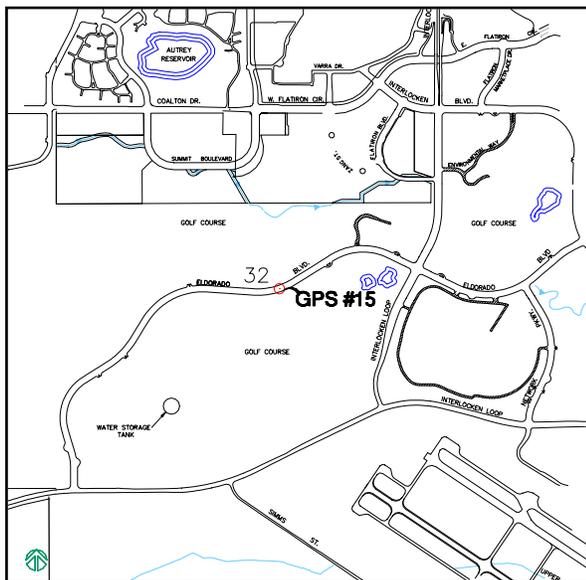
**Designation – GPS No. 15**  
**State/County – CO/Broomfield**  
**USGS Quad – Lafayette (1994)**

GPS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**  
**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Unpublished**      *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°55'18.71411"N	<b>Longitude</b> 105°08'09.10230"W
<b>NSPCS</b>	<b>Northing</b> 1214594.10	<b>Easting</b> 3102131.23
<b>Height (Orthometric)</b>	<b>1681.31 Meters</b>	<b>5516.10 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999973225</b>	



Contact—The City and County of Broomfield, GIS Division,  
 One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northeast 1/4 of Section 32, T1S, R69W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of State Highway 121 and Interlocken Loop (SH 128) in Broomfield, travel to the Southwest corner of the intersection. Travel west on Interlocken Loop (SH 128) to Eldorado Blvd. Then travel Northeast on Eldorado Blvd. to a curved portion of the road approximately 500 feet west of the west side of the Camden Apts. The mark is 13.0 feet north of the concrete flowline of the median and 16.3 feet south of the concrete flowline of the median. The mark is a 3 ¼ inch brass cap set in concrete.

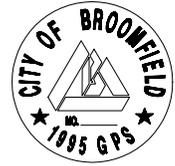
**View East to Monument**





THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



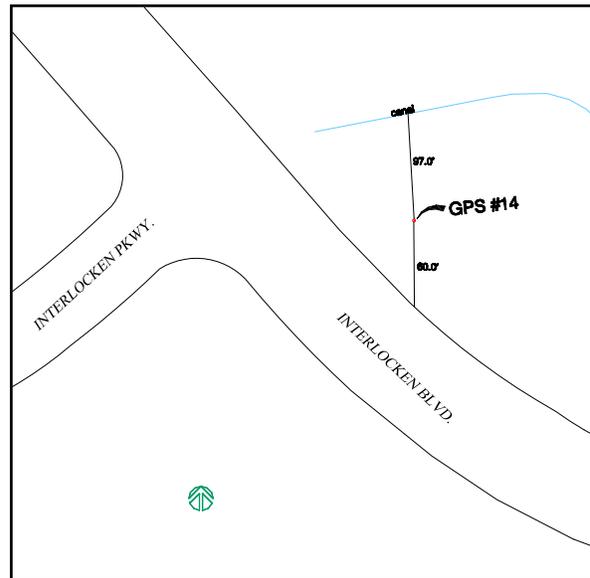
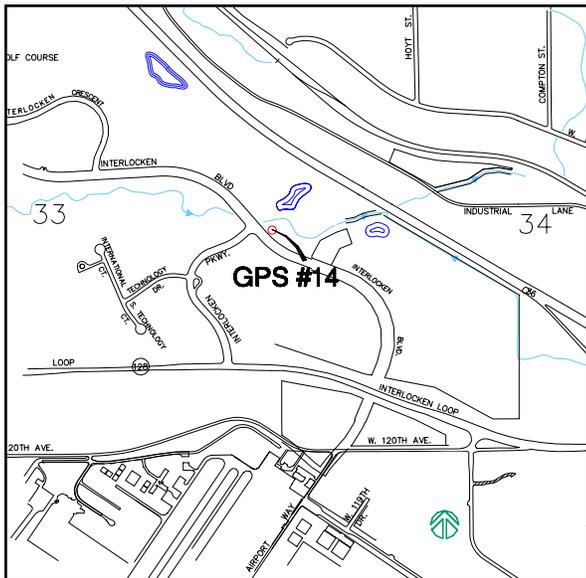
Designation – GPS No. 14  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)

GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°55'14.51381"N	<b>Longitude</b> 105°06'33.76830"W
<b>NSPCS</b>	<b>Northing</b> 1214200.70	<b>Easting</b> 3109560.47
<b>Height (Orthometric)</b>	<b>1660.32 Meters</b>	<b>5447.22(US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999973341</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.  
The station is located in The City and County of Broomfield, at the  
East quarter corner of Section 33, T1S, R69W, of the 6th Principal  
Meridian.

To reach the station from the intersection of State Highway 121 and  
Interlocken Loop (SH 128) in Broomfield, travel to the Southwest  
corner of the intersection. Travel west on Interlocken Loop (SH  
128) to Interlocken Blvd. Then travel Northwest on Interlocken  
Blvd. to East Interlocken Park. The mark is 60.0 feet northeast of  
of Interlocken Blvd, 48.1 feet west of center of a large manhole, and 97.0 feet south of a concrete canal. The mark is a 3  
¼ inch brass cap set in concrete.





**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

September 2005



**Designation – GPS No. 16**  
**State/County – CO/Broomfield**  
**USGS Quad – Louisville (1994)**

GPS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**  
**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Unpublished**      *Broomfield Surveyed Point*

**MONUMENT NOT AVAILABLE**



THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



Designation – GPS No. 17  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1984)

GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

Position	Latitude 39°57'19.85592" N	Longitude 105°02'52.09049" W
NSPCS	Northing 1226965.558	Easting 3126766.723
Height (Orthometric)	1631.362 Meters	5352.238 (US) Feet (Adjusted)
Scale Factor	0.999970047	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northwest 1/4 of Section 19, T1S, R68W, of the 6<sup>th</sup> Principal Meridian. To reach the station from the intersection of Sheridan Blvd. and W. 144th Ave. in Broomfield, travel South on Sheridan Blvd. to Spyglass Dr. Then travel East on Spyglass Dr to Mission Way. The marker is located on the Northwest corner of Spyglass Dr. and Mission Way.





**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

May 2006



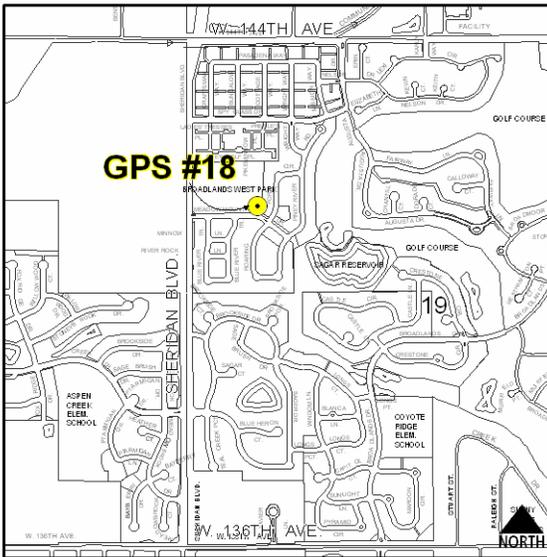
**Designation – GPS No. 18**  
**State/County – CO/Broomfield**  
**USGS Quad – Lafayette (1984)**

GPS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**  
**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Unpublished**      *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°57'10.49783" N	<b>Longitude</b> 105°03'00.81114" W
<b>NSPCS</b>	<b>Northing</b> 1226015.202	<b>Easting</b> 3126092.447
<b>Height (Orthometric)</b>	<b>1624.437 Meters</b>	<b>5329.518 US Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999970280</b>	



Contact—The City and County of Broomfield, GIS Division,  
 One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northwest 1/4 of Section 19, T1S, R68W, of the 6<sup>th</sup> Principal Meridian. To reach the station from the intersection of Sheridan Blvd. and W. 136th Ave. in Broomfield, travel North on Sheridan Blvd. to Meadowmountain Dr. Then travel East on Meadow Mountain Dr to the Southeast corner of Broadlands West Park.





THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



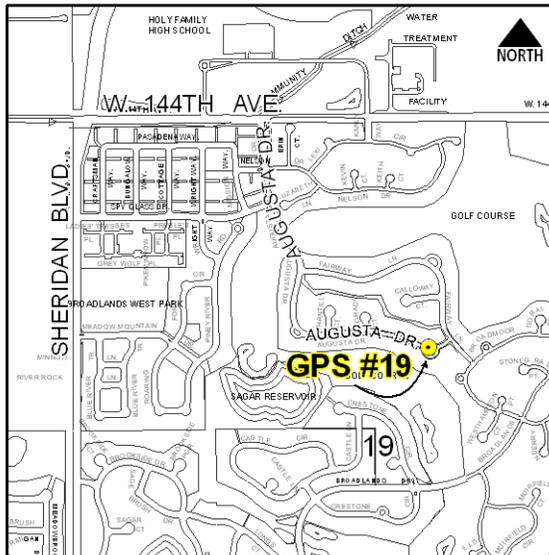
Designation – GPS No. 19  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1984)

GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°57'07.99194" N	<b>Longitude</b> 105°02'31.70453" W
<b>NSPCS</b>	<b>Northing</b> 1225773.242	<b>Easting</b> 3128360.380
<b>Height (Orthometric)</b>	<b>1618.568 Meters</b>	<b>5310.264 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999970343</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northeast 1/4 of Section 19, T1S, R68W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of Sheridan Blvd. and W. 144<sup>th</sup> Ave. in Broomfield, travel East on W. 144<sup>th</sup> Ave. to Augusta Dr. Then travel South and then East on Augusta Dr.

View West to Monument





THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



Designation – GPS No. 20  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1984)

GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°56'57.07881" N	<b>Longitude</b> 105°02'26.20838" W
<b>NSPCS</b>	<b>Northing</b> 1224671.207	<b>Easting</b> 3128794.107
<b>Height (Orthometric)</b>	<b>1613.354 Meters</b>	<b>5293.155 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999970618</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Southeast 1/4 of Section 19, T1S, R68W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of Lowell Blvd. and W. 136th Ave. in Broomfield, travel North on Lowell Blvd. to Broadlands Ln. Then travel Northwest on Broadlands Ln. to Broadlands Dr. The marker is located on the Southwest corner of the intersection of Broadlands Ln. and Broadlands Dr.





THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



Designation – GPS No. 21  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1984)

GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°56'56.83277" N	<b>Longitude</b> 105°02'46.62848" W
<b>NSPCS</b>	<b>Northing</b> 1224638.123	<b>Easting</b> 3127203.970
<b>Height (Orthometric)</b>	<b>1616.516 Meters</b>	<b>5303.531 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999970624</b>	



View Northwest to Monument

Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Southwest 1/4 of Section 19, T1S, R68W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of Sheridan Blvd. and W. 136<sup>th</sup> Ave. in Broomfield, travel East on W. 136<sup>th</sup> Ave. to Broadlands Dr. Then travel North on Broadlands Dr. to Castle Ln. Travel North on Castle Ln to Castle Cir. The marker is located on the Southwest corner of a vacant lot.





THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



Designation – GPS No. 22  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1984)

GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished Broomfield Surveyed Point

Position	Latitude 39°56'35.98842" N	Longitude 105°02'45.38794" W
NSPCS	Northing 1222529.474	Easting 3127311.381
Height (Orthometric)	1620.99955 Meters	5318.240 (US) Feet (Adjusted)
Scale Factor	0.999971158	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Southwest 1/4 of Section 19, T1S, R68W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of Sheridan Blvd. and W. 136th Ave. in Broomfield, travel East on W. 136<sup>th</sup> Ave. to Broadlands Dr. The marker is located on the Southwest corner at the intersection of W. 136<sup>th</sup> Ave and Broadlands Dr.





THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



Designation – GPS No. 23  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1984)

GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°56'48.00087" N	<b>Longitude</b> 105°02'02.89135" W
<b>NSPCS</b>	<b>Northing</b> 1223762.126	<b>Easting</b> 3130614.802
<b>Height (Orthometric)</b>	<b>1603.973 Meters</b>	<b>5262.380 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999970849</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Southwest 1/4 of Section 20, T1S, R68W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of Lowell Blvd. and W. 136th Ave. in Broomfield, travel North on Lowell Blvd. to Broadlands Ln. The marker is located on the Northeast corner at the intersection of Lowell Blvd and Broadlands Ln.





# THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET GPS CONTROL POINTS

May 2006



Designation – GPS No. 24  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1984)

GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°57'08.81150" N	<b>Longitude</b> 105°02'04.71987" W
<b>NSPCS</b>	<b>Northing</b> 1225867.109	<b>Easting</b> 3130461.345
<b>Height (Orthometric)</b>	<b>1610.523 Meters</b>	<b>5283.867 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999970322</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northeast 1/4 of Section 19, T1S, R68W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of Lowell Blvd. and W. 136th Ave. in Broomfield, travel North on Lowell Blvd. to Broadlands Ln. The marker is located on the Northeast corner at the intersection of Lowell Blvd and Broadlands Ln.





THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006

Designation – GPS No. 25  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1984)

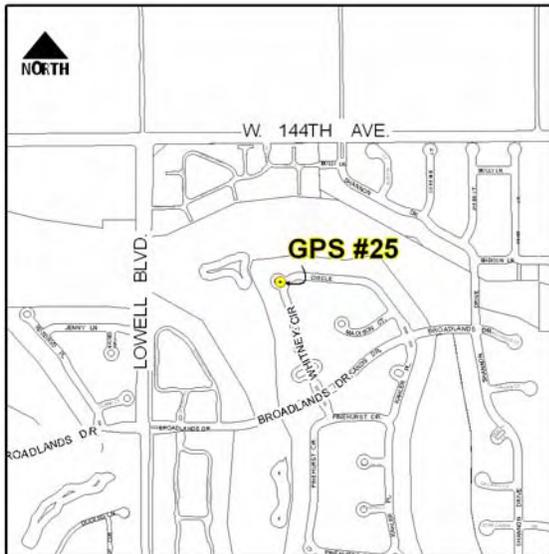


GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°57'18.06103" N	<b>Longitude</b> 105°01'52.32483" W
<b>NSPCS</b>	<b>Northing</b> 1226808.110	<b>Easting</b> 3131421.644
<b>Height (Orthometric)</b>	<b>1612.972 Meters</b>	<b>5291.904 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999717034</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northwest 1/4 of Section 20, T1S, R68W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of Lowell Blvd. and W. 144th Ave. in Broomfield, travel South on Lowell Blvd. to Broadlands Dr. Travel east on Broadlands Dr to Whitney Cir.





THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



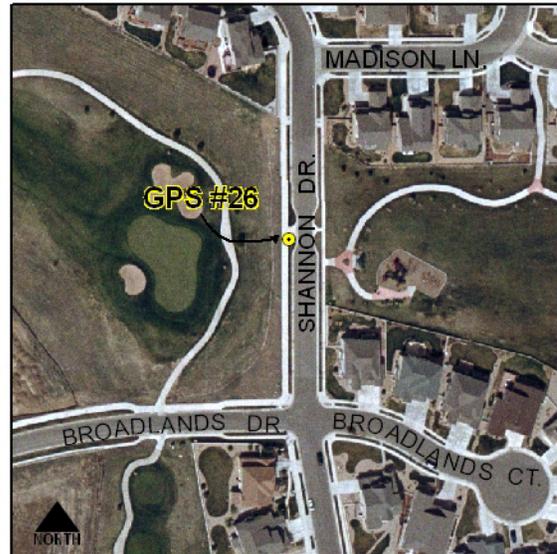
Designation – GPS No. 26  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1984)

GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

Position	Latitude 39°57'17.09606" N	Longitude 105°01'35.85198" W
NSPCS	Northing 1226717.284	Easting 3132704.917
Height (Orthometric)	1609.082 Meters	5279.142 (US) Feet (Adjusted)
Scale Factor	0.999970115	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northwest  
1/4 of Section 20, T1S, R68W, of the 6<sup>th</sup> Principal Meridian.  
To reach the station from the intersection of Lowell Blvd. and W. 144<sup>th</sup> Ave. in  
Broomfield, travel East on 144<sup>th</sup> Ave from Lowell Blvd. to Shannon Dr. Travel  
South on Shannon Dr.



View East to Monument



**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

May 2006



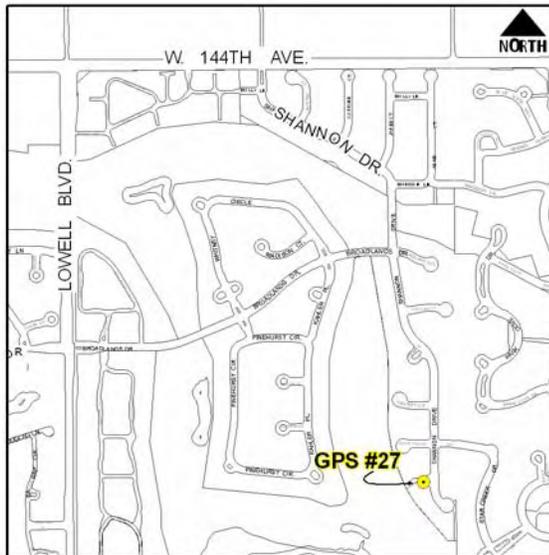
**Designation – GPS No. 27**  
**State/County – CO/Broomfield**  
**USGS Quad – Lafayette (1984)**

GPS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**  
**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Unpublished**      *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°56'59.35559" N	<b>Longitude</b> 105°01'32.92276" W
<b>NSPCS</b>	<b>Northing</b> 1224923.428	<b>Easting</b> 3132942.618
<b>Height (Orthometric)</b>	<b>1601.987 Meters</b>	<b>5255.864 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999970560</b>	



Contact—The City and County of Broomfield, GIS Division,  
 One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Southwest 1/4 of Section 20, T1S, R68W, of the 6<sup>th</sup> Principal Meridian.  
 To reach the station from the intersection of Lowell Blvd. and W. 144<sup>th</sup> Ave. in Broomfield, travel East on W. 144<sup>th</sup> Ave. to Shannon Dr. Continue traveling south on Shannon Dr past Star Creek Dr. Monument is on the west side of Shannon Dr.





THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



Designation – GPS No. 28  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1984)

GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°56'37.43971" N	<b>Longitude</b> 105°01'37.12854" W
<b>NSPCS</b>	<b>Northing</b> 1222704.114	<b>Easting</b> 3132626.915
<b>Height (Orthometric)</b>	<b>1604.740 Meters</b>	<b>5264.894 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999971121</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Southwest 1/4 of Section 20, T1S, R68W, of the 6<sup>th</sup> Principal Meridian. To reach the station from the intersection of Lowell Blvd. and W. 136<sup>th</sup> Ave. in Broomfield, travel East on W. 136<sup>th</sup> Ave. to Plaster Cir.





THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



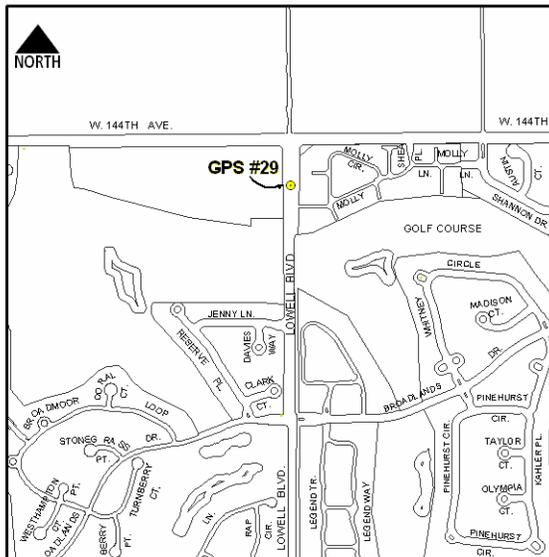
Designation – GPS No. 29  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1984)

GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°57'24.43429" N	<b>Longitude</b> 105°02'03.92283" W
<b>NSPCS</b>	<b>Northing</b> 1227448.233	<b>Easting</b> 3130515.114
<b>Height (Orthometric)</b>	<b>1616.540 Meters</b>	<b>5303.609 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999969933</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northeast  
1/4 of Section 19, T1S, R68W, of the 6<sup>th</sup> Principal Meridian.  
To reach the station from the intersection of Lowell Blvd. and W. 144th Ave.  
in Broomfield, travel South on Lowell Blvd.



THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



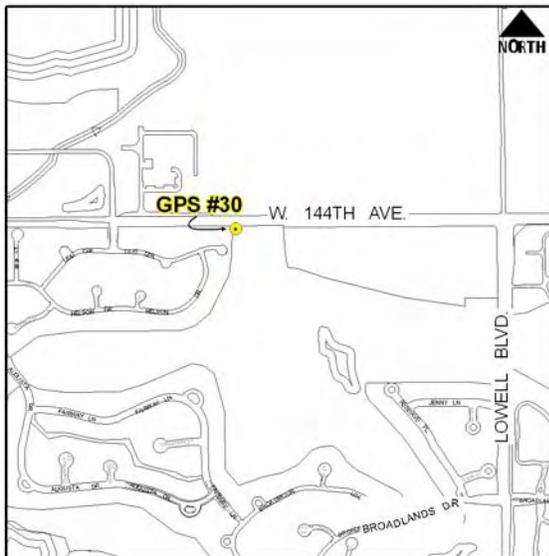
Designation – GPS No. 30  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1984)

GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°57'26.98001" N	<b>Longitude</b> 105°02'27.27610" W
<b>NSPCS</b>	<b>Northing</b> 1227696.341	<b>Easting</b> 3128695.292
<b>Height (Orthometric)</b>	<b>1625.433 Meters</b>	<b>5332.785 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999969870</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the  
Northeast 1/4 of Section 19, T1S, R68W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of Lowell Blvd. and W. 144th  
Ave. in Broomfield, travel West on Lowell Blvd. Turn left into the  
entrance to the Broadlands Golf Course Club House.

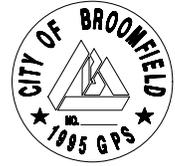




**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

*December 2008*

**Designation – GPS No. 31**  
**State/County – CO/Broomfield**  
**USGS Quad – Lafayette (1984)**



GPS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**  
**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Unpublished**      *Broomfield Surveyed Point*

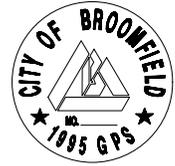
**MONUMENT NOT AVAILABLE**

Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.



**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

December 2008



**Designation – GPS No. 32**  
**State/County – Co/Broomfield**  
**USGS Quad – Lafayette (1994)**

GPS Monument

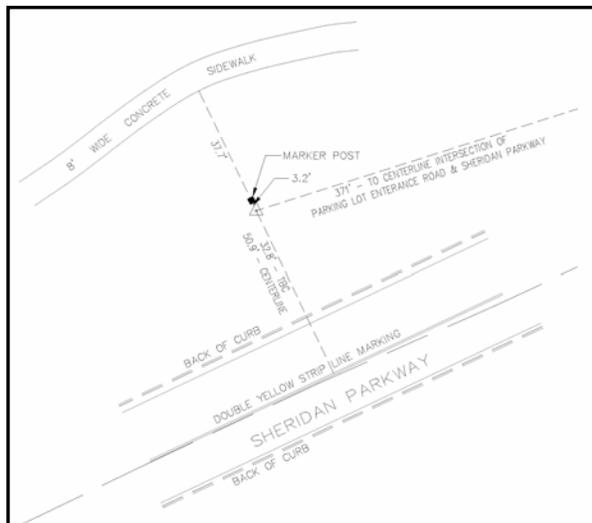
**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet**

**Vertical Datum - Ellipsoid GRS 80 – (Geodetic Reference System of 1980) NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Unpublished** *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°58'44.55984"N	<b>Longitude</b> 105°01'51.39188"W (adjusted)
<b>NSPCS</b>	<b>Northing</b> 1235560.917	<b>Easting</b> 3131447.996
<b>Height (Orthometric)</b>	<b>1634.364 Meters</b>	<b>5362.076 (US) Feet (adjusted)</b>
<b>Scale Factor</b>	<b>0.999946645547</b>	

**Vicinity Map**



**Aerial Vicinity Map**



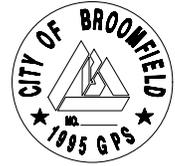
Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr., Broomfield, CO 80020, 303-464-5834. The station is located in the Southwest ¼ of Section 8, T 1 S, R 68 W of the 6<sup>th</sup> Principal Meridian. To reach the station from the intersection of the west-bound off-ramp of the Northwest Parkway and Sheridan Parkway, travel south-southwest on Sheridan Parkway 0.8 miles to the monument which lies 50.9 feet northwest of the centerline of Sheridan Parkway and 3.2 feet southeast of an orange witness post. The mark is a standard Broomfield mark on a steel rod, set in range box.





THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



Designation – DI CIERO  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)

GPS Monument

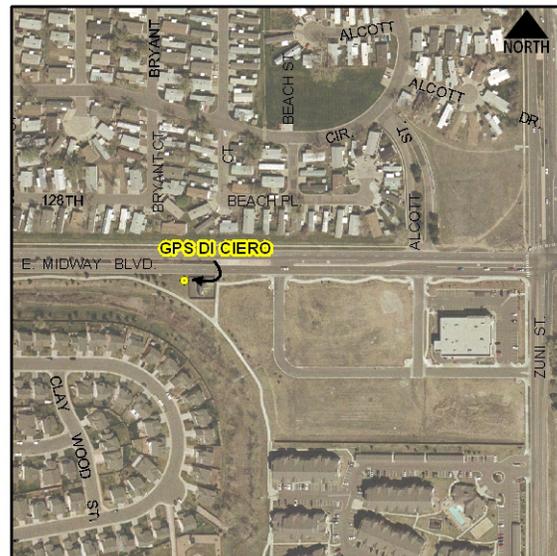
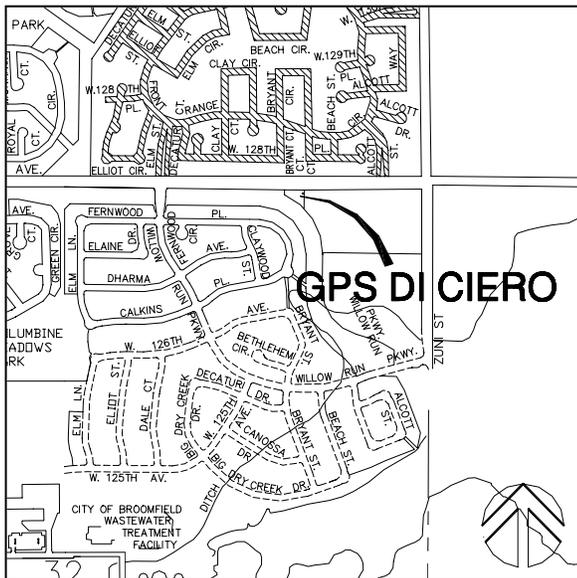
Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet

Ellipsoid GRS 80 – (Geodetic Reference System of 1980)

Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Published PID AI3577 <http://www.ngs.noaa.gov/>

<b>Position</b>	<b>Latitude</b> 39°55'42.22788" N	<b>Longitude</b> 105°01'08.45690" W
<b>NSPCS</b>	<b>Northing</b> 1217129.5102	<b>Easting</b> 3134890.2664
<b>Height (Orthometric)</b>	<b>1589.9 Meters</b>	<b>5216.00 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.99997258</b>	



Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in the northeast ¼ of Section 32, T1S, R68W of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of Zuni Street and E. Midway Blvd, travel West 890 feet to the point identified by an orange witness post and Broomfield disk on a #5 rebar in the ground.





THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



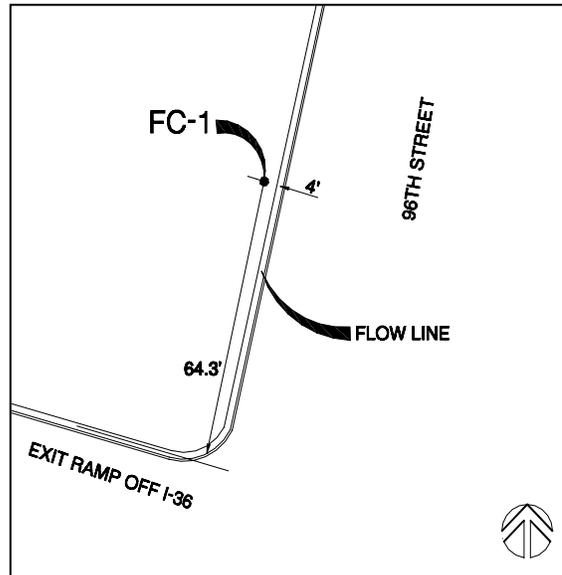
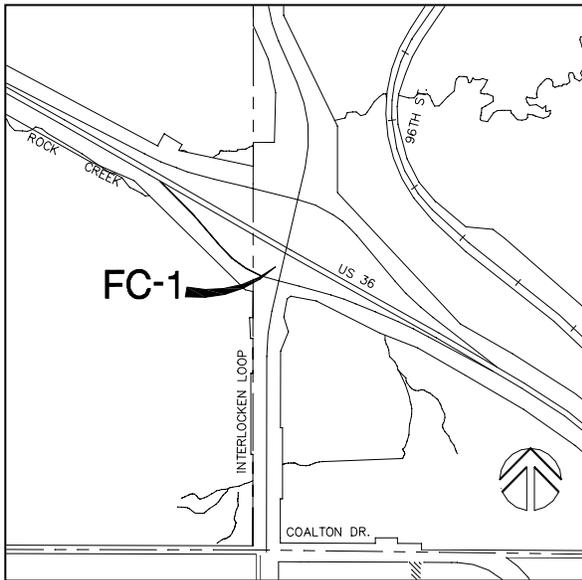
Designation – FC-1  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)

GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39° 56' 03.82255"N	<b>Longitude</b> 105° 07' 39.33691"W
<b>NSPCS</b>	<b>Northing</b> 1219168.058	<b>Easting</b> 3104431.052
<b>Height (Orthometric)</b>	<b>1643.66 Meters</b>	<b>5392.57 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999972001</b>	



Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Southwest 1/4 of Section 28, T1S, R69W.

To reach the station from the intersection of Storage Tek Dr.. and US 36 travel to the Southwest end of the bridge. The mark is 64.3' North of the US 36 exit ramp flow line and 4' West of the Storage Tek Dr. flow line. FC-1 is a 3" round cap set in the concrete sidewalk.





THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006



Designation – FC - 2  
State/County – CO/Boulder  
USGS Quad – Lafayette (1994)

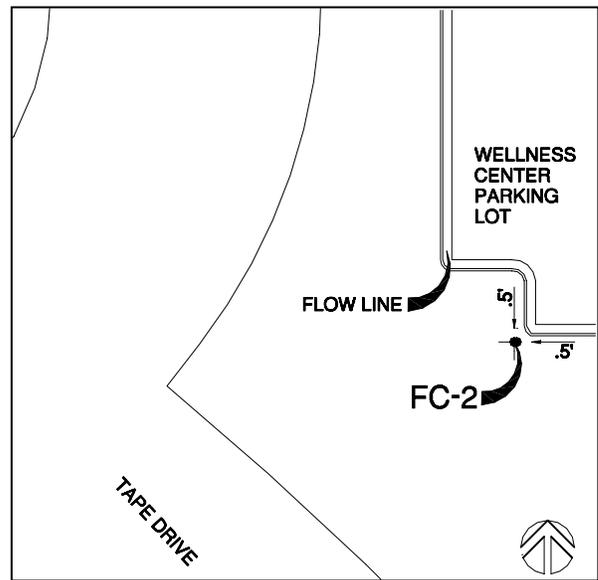
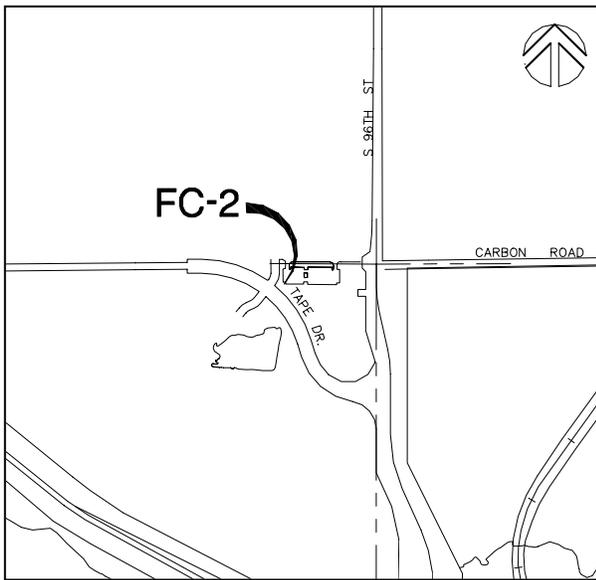
GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet

Vertical Datum - Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Unpublished *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39° 56' 34.40560"N	<b>Longitude</b> 105° 07' 49.37680"W
<b>NSPCS</b>	<b>Northing</b> 1222259.355	<b>Easting</b> 3103636.099
<b>Height (Orthometric)</b>	<b>1642.59 Meters</b>	<b>5389.07 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999971199</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City of Louisville in the Southeast 1/4 of Section 20, T1S R69W. To reach the station from the Intersection of US 36 and 96th St. travel North on 96th St. to the intersection of Tape Dr. and 96<sup>th</sup> St. Travel West on Tape Dr. to the parking lot of the StorageTek Wellness Center.

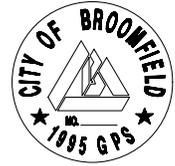
The mark is in the Southwest corner of the parking lot and is 0.5' West of the parking lot flow line and 0.5' South of the parking lot flow line. FC-2 is a 2" round cap set in the concrete curb.





# THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET GPS CONTROL POINTS

March 2007



Designation – Lucy  
State/County – CO/Broomfield  
USGS Quad – Erie (1967)

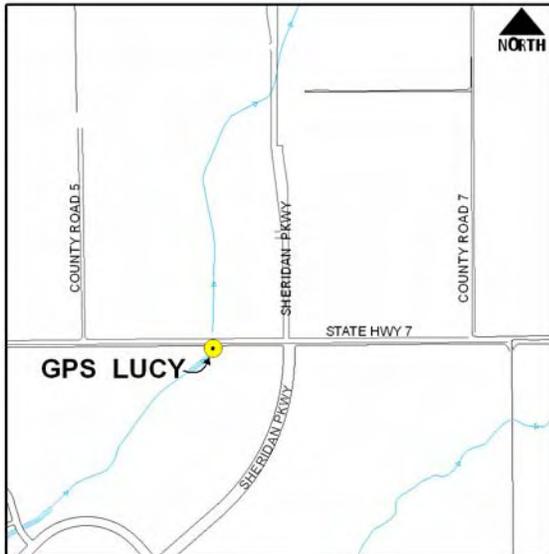
GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet

Vertical Datum - Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Published AI3578 <http://www.ngs.noaa.gov/>

Position	Latitude 40°00'00.35831" N	Longitude 105°00'41.29278" W
NSPCS	Northing 1243260.0902	Easting 3136862.4811
Height (Orthometric)	1614.4 Meters	5297.00 (US) Feet (Adjusted)
Scale Factor	0.99996636	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020,  
303-464-5834.

The station is located in the northwest ¼ of Section 4,  
T1S, R68W of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of I-25 and  
S.H.7, travel west 1.8 miles to a point on the south side of  
S.H.7 which is identified by an orange witness post and  
Broomfield disk on a #5 rebar in the ground.



View South to Monument



**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS**

*April 2004*



**Designation – Ramona  
State/County – CO/Weld  
USGS Quad – Frederick (1994)**

GPS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet**

**Vertical Datum - Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Published PID**    *A13576*    <http://www.ngs.noaa.gov/>

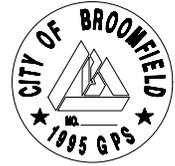
**MONUMENT DESTROYED**

Contact—  
The City and County of Broomfield,  
GIS Division, One DesCombes Dr.,  
Broomfield, CO 80020, 303-464-5834.



THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

November 2007



Designation – Ramona Reset  
State/County – CO/Weld  
USGS Quad – Frederick (1994)

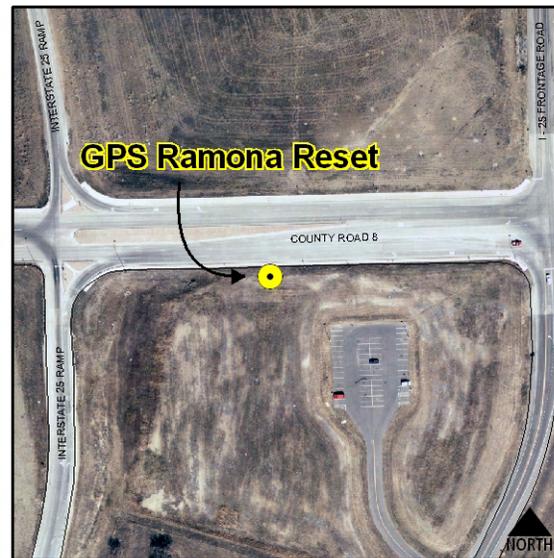
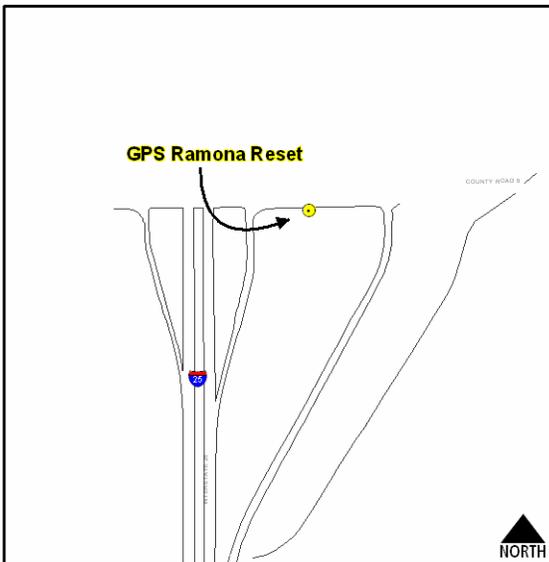
GPS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet

Vertical Datum - Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Published PID *DH8823* <http://www.ngs.noaa.gov/>

Position	Latitude 40°02'37.256" N	Longitude 104°58'41.42989" W (adjusted)
NSPCS	Northing 1259189.026	Easting 3146096.674
Height (Orthometric)	1574.8 Meters	5167.0 (US) Feet (Adjusted)
Scale Factor	0.99996334	



Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in the northeast ¼ of Section 23, T1N, R68W of the 6<sup>th</sup> Principal Meridian.

To reach the station from the overpass of Interstate 25 and County Road 8, the Erie Exit, go east 0.15 miles to the station on the right. The mark is a standard Broomfield mark on a steel rod, set in concrete, in an access cover.

The mark is 22.5 ft south of the back edge of a 5' concrete walk and 1.5' east of center of manhole for a storm water inlet on south curb line of County Road 8.



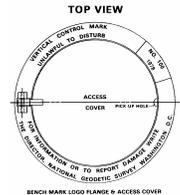




THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006

Designation – NGS B413  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)



NGS Monument

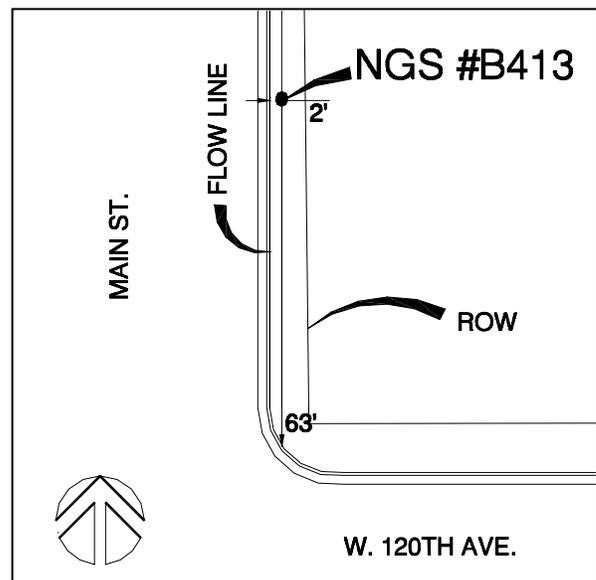
Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet

Ellipsoid GRS 80 – (Geodetic Reference System of 1980)

Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Published Broomfield Surveyed Point

<b>Position</b>	<b>Latitude</b> 39°54'52.53097" N	<b>Longitude</b> 105°04'18.03779" W
<b>NSPCS</b>	<b>Northing</b> 1212025.190	<b>Easting</b> 3120145.992
<b>Height (Orthometric)</b>	<b>1635.184 Meters</b>	<b>5364.766 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999973957</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

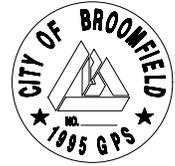
The station is located in The City and County of Broomfield, in the Southwest 1/4 of Section 36, T1S, R69W, of the 6<sup>th</sup> Principal Meridian.

The station is at the intersection of U.S. Highway 287 and Main St. in Broomfield. The mark is 2.0' east of the east flow line of Main St., 36.0' north of the north flow line of U.S. Highway 287. The mark is a NGS Monument with a 5-inch logo cap in the ground and access to the stainless steel rod set to the depth of 4.3 meters encased in a pipe flush with the ground.



**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

January 2006



**Designation – Baseline**  
**State/County – CO/Adams**  
**USGS Quad – Eastlake (1994)**

GPS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**  
**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Published** AB3292 <http://www.ngs.noaa.gov/>

**MONUMENT DESTROYED**

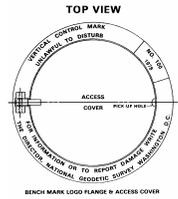
Contact—  
The City and County of Broomfield,  
GIS Division, One DesCombes Dr.,  
Broomfield, CO 80020, 303-464-5834.



**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS**

May 2006

**Designation – Broomfield Green Tank  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)**



NGS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet**

**Vertical Datum - Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Published**      *KK2051*    <http://www.ngs.noaa.gov/>

<b>Position</b>	<b>Latitude</b> 39° 56' 31.33697"	<b>Longitude</b> 105° 04' 36.69112"
<b>NSPCS</b>	<b>Northing</b> 1222015.94	<b>Easting</b> 3118644.87
<b>Height (Orthometric)</b>	<b>Not Available Meters</b>	<b>Not Available (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.99997128</b>	

Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northeast quarter of section 26, T1S, R69W and is 0.25 miles west-southwest of the intersection of Main Street and Carbon Road (W. 136<sup>th</sup> Avenue).

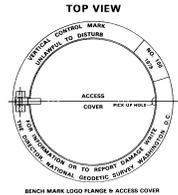
The top center of the vent was intersected. The tank is greenish blue with upside down T-shaped ornaments around the side of the tank.



**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS**

May 2006

**Designation – NGS C413  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)**



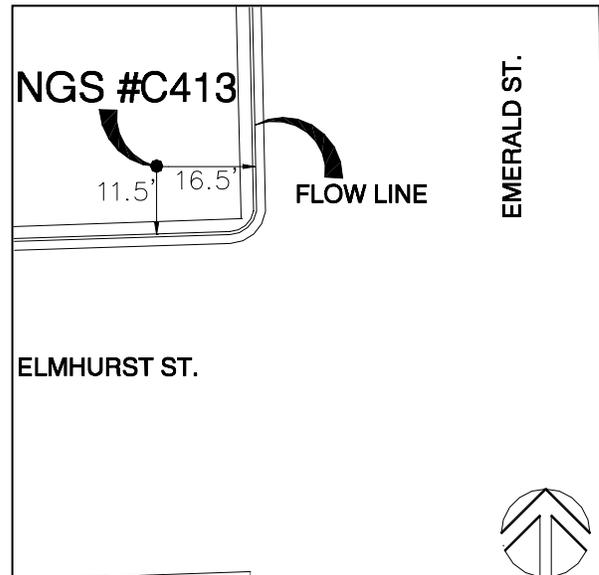
NGS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

**★ NGS Unpublished Broomfield Surveyed Point**

**MONUMENT NOT ACCESSIBLE**

<b>Position</b>	<b>Latitude</b> 39°55'11.47666" N	<b>Longitude</b> 105°04'38.54612" W
<b>NSPCS</b>	<b>Northing</b> 1213934.549	<b>Easting</b> 3118538.907
<b>Height (Orthometric)</b>	<b>1634.620 Meters</b>	<b>5362.916 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999973426</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Southeast 1/4 of Section 35, T1S, R69W, of the 6<sup>th</sup> Principal Meridian.  
To reach the station from the intersection of W. 120<sup>th</sup> Ave. and Emerald St. in Broomfield, travel North to W. Elmhurst Place, in the Southeast corner of the Emerald Elementary School lawn, 11.5 ft North of the W. Elmhurst Place flow line and 16.5 ft West of the Emerald St. flow line. The mark is a 5-Inch logo cap in the ground, with access to the stainless steel rod set to the depth of 11.0 meters encased in a pipe flush with the ground.

**View Northeast to Monument**

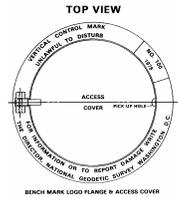




THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

April 2004

Designation – NGS D413  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)



NGS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet

Ellipsoid GRS 80 – (Geodetic Reference System of 1980)

Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Published KK1422

Position -	<u>Latitude</u> Not Available	<u>Longitude</u> Not Available
NSPCS-	<u>Northing</u> Not Available	<u>Easting</u> Not Available
Height (Orthometric)-	1637.696 Meters	5373.87 (US) Feet (Adjusted)
Scale Factor -	Not Available	

Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, at the intersection of West 10<sup>th</sup> Ave. and Main St., at the SE corner of the Broomfield High School Athletic field and 7.5 ft west of a fence corner and 1 ft south of the fence. Access to the datum point is through a 5-inch logo cap and is above level with the avenue.



**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

May 2006

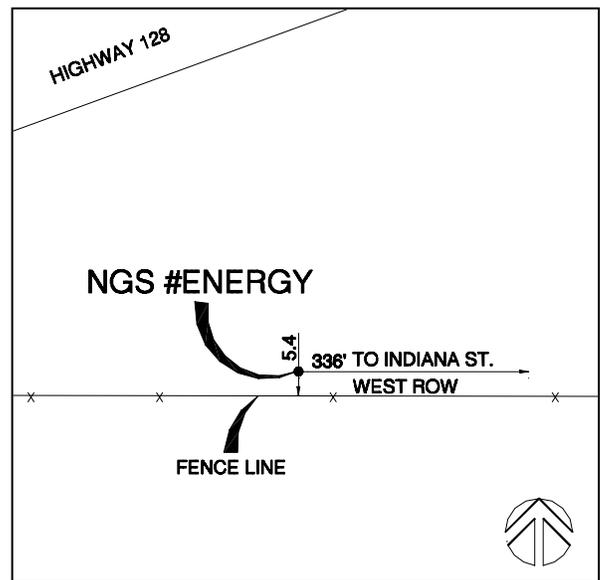
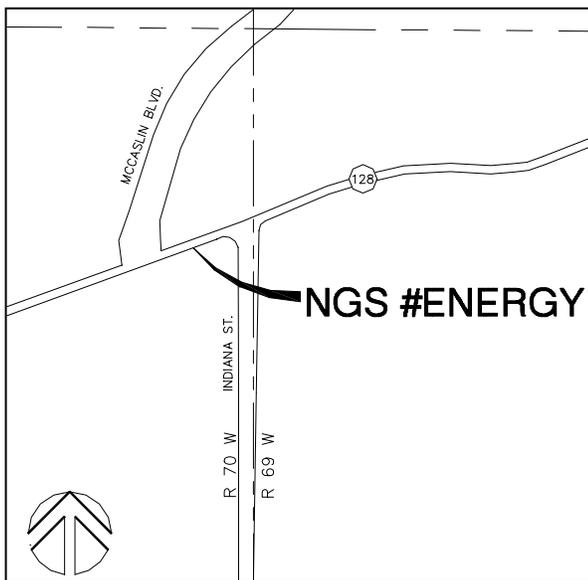
Designation – Energy  
 State/County – CO/Jefferson  
 USGS Quad – Louisville (1994)

**NGS  
 SURVEY  
 CAP**

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
 (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
 Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**  
**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ NGS Published *KK 1797* <http://www.ngs.noaa.gov/>

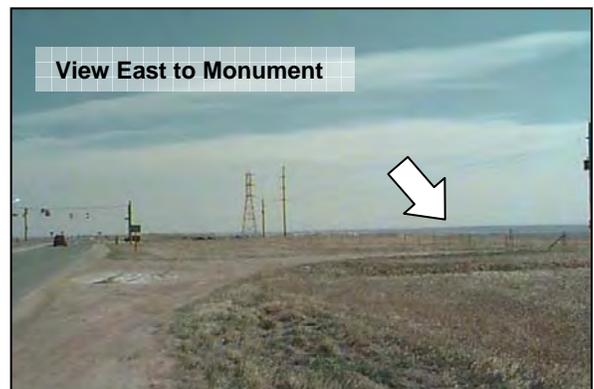
<b>Position</b>	<b>Latitude</b> 39°54'35.73345" N	<b>Longitude</b> 105°10'01.20195" W
<b>NSPCS</b>	<b>Northing</b> 1210210.738	<b>Easting</b> 3093413.991
<b>Height (Orthometric)</b>	<b>1785.178 Meters</b>	<b>5856.871 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999974435</b>	



Contact—The City and County of Broomfield, GIS Division,  
 One DesCombes Dr. Broomfield, CO 80020, 303-464-5834.

The station is located in the Northeast 1/4 of Section 1, T2S,  
 R70W, of the 6th Principal Meridian.

To reach the station from the intersection of Highway 128 and  
 Indiana St., the mark is on the Southwest corner of the  
 intersection, 5.25' North of fence and is 336' West of Indiana  
 St. ROW. The mark is a cap in the ground.

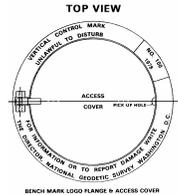




**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS**

May 2006

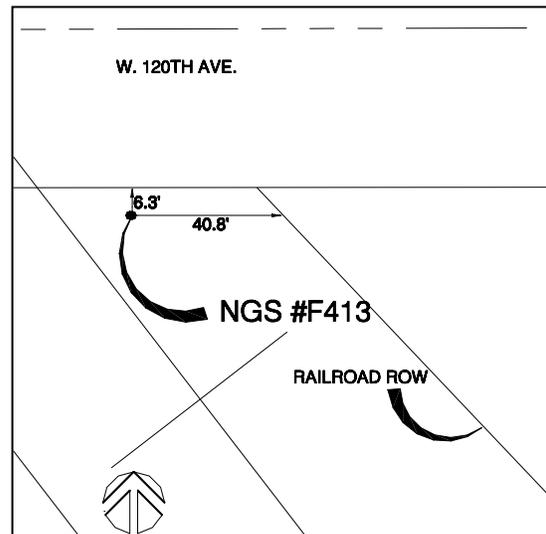
**Designation – NGS F413  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)**



**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**  
**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

**★ NGS Unpublished**      *Broomfield Surveyed Point*

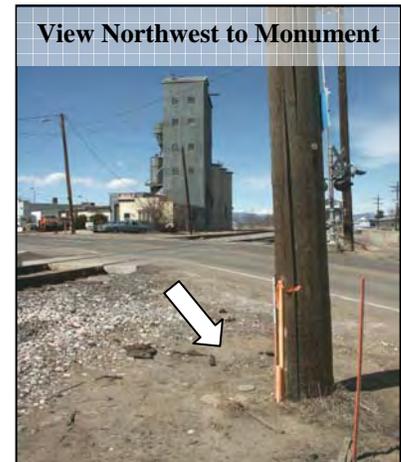
<b>Position</b>	<b>Latitude</b> 39°54'51.20401" N	<b>Longitude</b> 105°04'55.92174" W
<b>NSPCS</b>	<b>Northing</b> 1211876.838	<b>Easting</b> 3117194.820
<b>Height (Orthometric)</b>	<b>1648.907 Meters</b>	<b>5409.789 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999973994</b>	



Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northwest 1/4 of Section 2, T2S, R69W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of W. 120<sup>th</sup> Ave. and Wadsworth Blvd. in Broomfield, travel 40'-11" East of Railroad ROW, and 6'-4" South of southern line of 120<sup>th</sup> Ave. The mark is a 5-Inch logo cap in the ground, with access to the stainless steel rod set to the depth of 4.9 meters encased in a pipe flush with the ground.

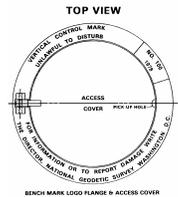




**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS**

May 2006

**Designation – NGS G413  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)**

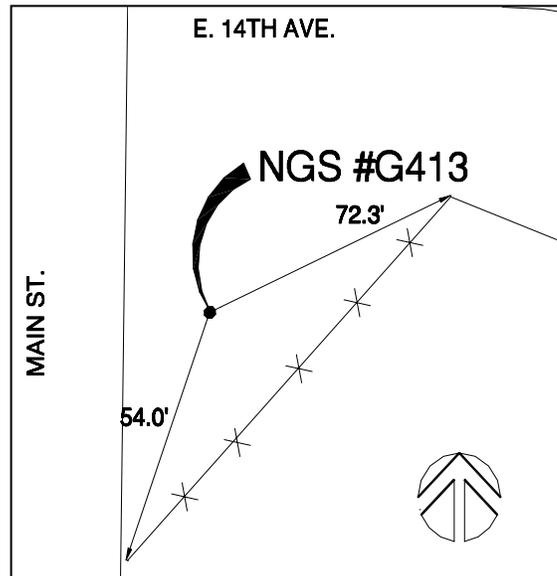
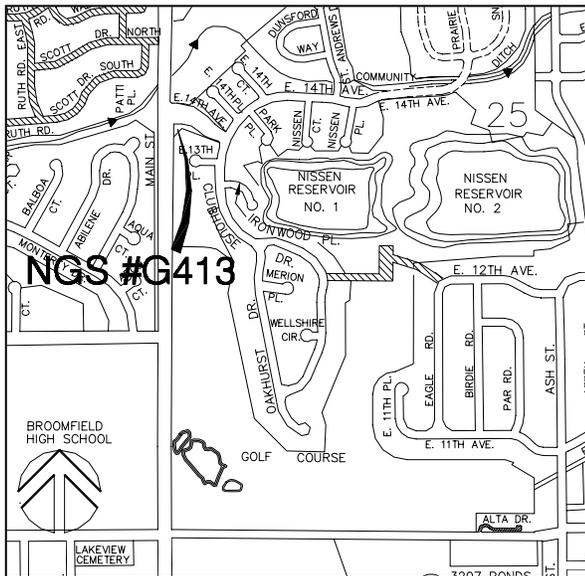


NGS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

**★ NGS Unpublished**      *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°56'12.62808" N	<b>Longitude</b> 105°04'17.94491" W
<b>NSPCS</b>	<b>Northing</b> 1220129.880	<b>Easting</b> 3120114.078
<b>Height (Orthometric)</b>	<b>1647.302 Meters</b>	<b>5404.523 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999971768</b>	



Contact-  
The City and County of Broomfield, GIS Division,  
One DesCombes Dr. Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northwest 1/4 of Section 25, T1S, R69W, of the 6<sup>th</sup> Principal Meridian. To reach the station from the intersection of Main St. and W. 136<sup>th</sup> Ave. in Broomfield, travel South to the intersection of Main St. and E. 14<sup>th</sup> Ave. The mark is located on the East side of Main St., South of E. 14<sup>th</sup> Ave. and is 54.0' North of corner of the fence and 72.3' West of the other fence corner. The mark is a 5-Inch logo cap in the ground with access to the stainless steel rod set to the depth of 4.9 meters encased in a pipe flush with the ground.

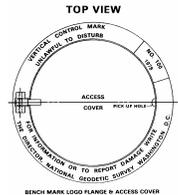




**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS**

May 2006

**Designation – NGS H413  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)**



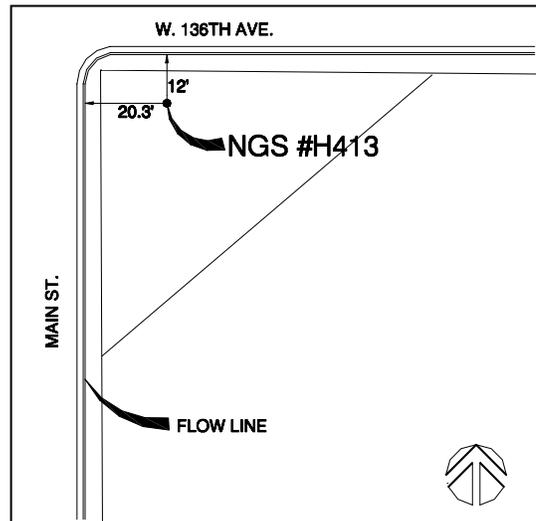
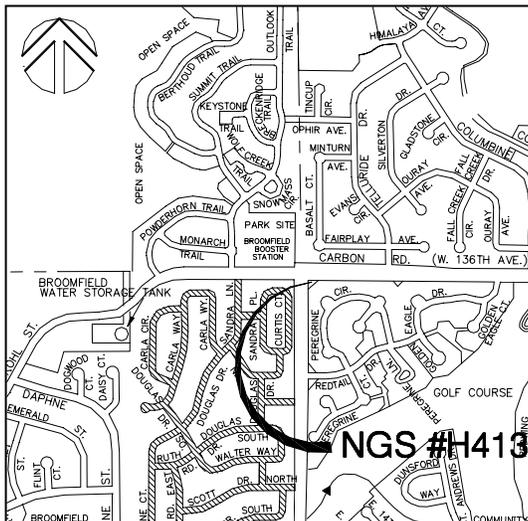
NGS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet**

**Vertical Datum - Ellipsoid GRS 80 – (Geodetic Reference System of 1980) NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Published** *KK1420* <http://www.ngs.noaa.gov/>

<b>Position</b>	<b>Latitude</b> 39° 56' 35.49034" N	<b>Longitude</b> 105° 04' 18.51428" W
<b>NSPCS</b>	<b>Northing</b> 1222442.994	<b>Easting</b> 3120058.569
<b>Height (Orthometric)</b>	<b>1668.523 Meters</b>	<b>5474.15 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.99997117</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northwest 1/4 of Section 25, T1S, R69W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of Main St. and W. 136<sup>th</sup> Ave. in Broomfield, the mark is 20.3' East of Main St. flow line and 12' South of W. 136<sup>th</sup> Ave. flow line. The mark is a 5-Inch logo cap in the ground, with access to the stainless steel rod set to the depth of 4.9 meters encased in a pipe flush with the ground.

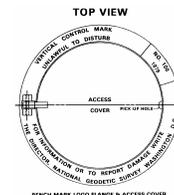




**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

May 2006

**Designation – NGS J413**  
**State/County – CO/Broomfield**  
**USGS Quad – Lafayette (1994)**



NGS Monument

**Horizontal Datum – Not Available at this time**

**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

**★ NGS Unpublished**      *Broomfield Surveyed Point*

<b>Position -</b>	<b><u>Latitude</u></b> Not Available	<b><u>Longitude</u></b> Not Available
<b>NSPCS-</b>	<b><u>Northing</u></b> Not Available	<b><u>Easting</u></b> Not Available
<b>Height (Orthometric)</b>	<b>-1649.672 Meters</b>	<b>5412.14 (US) Feet (Adjusted)</b>
<b>Scale Factor -</b>	<b>Not Available</b>	

Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr.,  
 Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northeast 1/4 of Section 25, T1S,  
 R69W, of the 6<sup>th</sup> Principal Meridian.

The mark is located at the intersection of west 136<sup>th</sup> Ave. and Aspen St. It is 150.9 ft east of the center  
 of the street, 55.4 ft west of the northwest corner of a 16-ft metal culvert, 32.2 ft south of the centerline of  
 the avenue, 5.0 meter north of the northeast corner of a wood fence, and 3.3 ft west of a utility pole and  
 witness pole. The datum point is through a 5-inch logo cap.



**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

May 2006

**Designation – Jeffco AZ MK**  
**State/County – CO/Broomfield**  
**USGS Quad – Lafayette (1994)**

**NGS**  
**SURVEY**  
**CAP**

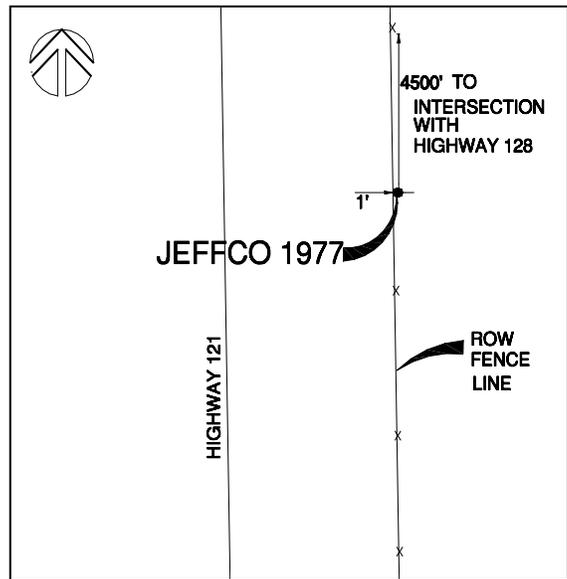
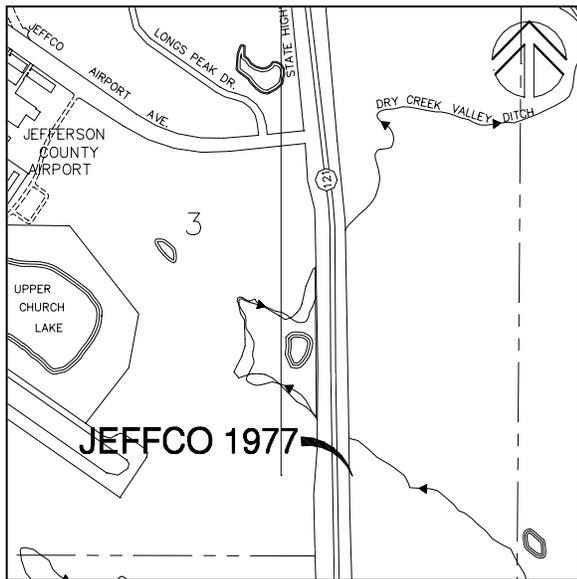
**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet**

**Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**

**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Published** *KK1433* <http://www.ngs.noaa.gov/>

<b>Position</b>	<b>Latitude</b> 39° 54' 06.44949" N	<b>Longitude</b> 105° 05' 44.13413" W
<b>NSPCS</b>	<b>Northing</b> 1207330.920	<b>Easting</b> 3113458.885
<b>Height (Orthometric)</b>	<b>1680.260 Meters</b>	<b>5512.65 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.99997528</b>	



Contact—The City and County of Broomfield, GIS Division,  
 One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, 1 mile southeast of the Jeffco Airport and 0.9 miles south of the junction of State Highway 121 and U.S. 36, in the southeast ¼ of section 3, T2S, R69W, at State Highway 121 milepost 24.95. To reach the station from the intersection of State Highway 121 travel 1.05 miles to the mark on the left on the North side of the hill and is 1' East of fence ROW.

The mark is a 3-inch brass cap stamped –JEFFCO 1977—and is in a concrete base.





**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS**

May 2006

**Designation – Jeffco Reset  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)**

**NGS  
SURVEY  
CAP**

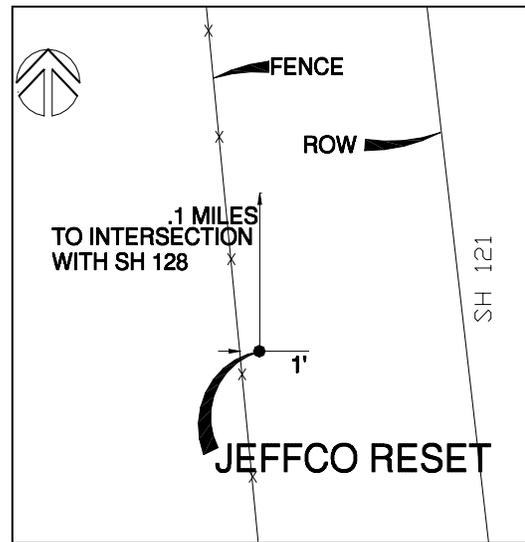
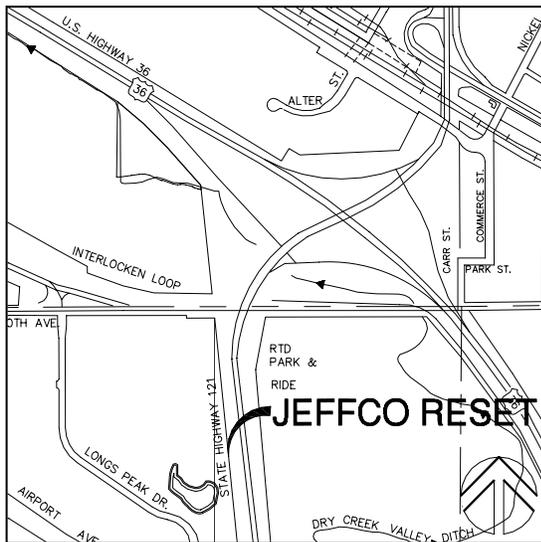
**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet**

**Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**

**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Published** *KK1432* <http://www.ngs.noaa.gov/>

<b>Position</b>	<b>Latitude</b> 39° 54' 43.05405" N	<b>Longitude</b> 105° 05' 50.35674" W
<b>NSPCS</b>	<b>Northing</b> 1211032.558	<b>Easting</b> 3112957.127
<b>Height (Orthometric)</b>	<b>1694.016 Meters</b>	<b>5557.78 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.99997423</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.  
The station is located in The City and County of Broomfield, in  
the Northeast 1/4 of Section 3, T2S, R69W, of the 6th Principal  
Meridian.

To reach the station from the intersection of Highway 128 and  
Highway 121 in Broomfield, travel South on Highway 121, 0.1  
miles. The mark is 3-inch brass cap in a concrete base, stamped  
–JEFFCO 1977 1980–. It is located 1' East of the westerly  
Highway 121 ROW and referenced by a witness post in the  
vicinity.

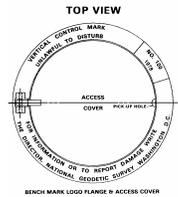




**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

May 2006

**Designation – NGS K413**  
**State/County – CO/Broomfield**  
**USGS Quad – Lafayette (1994)**



NGS Monument

**Horizontal Datum – Not Available at this time**

**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Unpublished** *Broomfield Surveyed Point*

<b>Position -</b>	<u>Latitude</u> Not Available	<u>Longitude</u> Not Available
<b>NSPCS-</b>	<u>Northing</u> Not Available	<u>Easting</u> Not Available
<b>Height (Orthometric) -</b>	1635.622 Meters	5366.202 (US) Feet (Adjusted)
<b>Scale Factor -</b>	Not Available	

Contact—The City and County of Broomfield, GIS Division,  
 One DesCombes Dr., Broomfield, CO 80020,  
 303-464-5834.

The station is located in The City and County of Broomfield,  
 in the Southwest 1/4 of Section 19, T1S, R68W, if the 6<sup>th</sup>  
 Principal Meridian.

To reach the station from the intersection of Sheridan Blvd.  
 and W. 136th Ave. in Broomfield, the mark is 3.25' South of  
 the Avenue ROW fence line and 46' East of the Blvd. ROW  
 fence line. The mark is a 5-inch logo cap in the ground, with  
 access to the stainless steel rod set to the depth of 4.6  
 meters encased in a pipe flush with the ground.

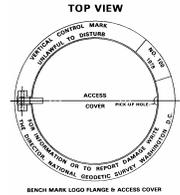




**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

*April 2004*

**Designation – NGS L413**  
**State/County – CO/Broomfield**  
**USGS Quad – Lafayette (1994)**



NGS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**  
**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Unpublished**      *Broomfield Surveyed Point*

**MONUMENT DESTROYED**

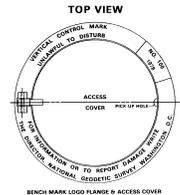
Contact—  
The City and County of Broomfield,  
GIS Division, One DesCombes Dr.,  
Broomfield, CO 80020, 303-464-5834.



**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS**

May 2006

**Designation – LINE AZ MK  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)**



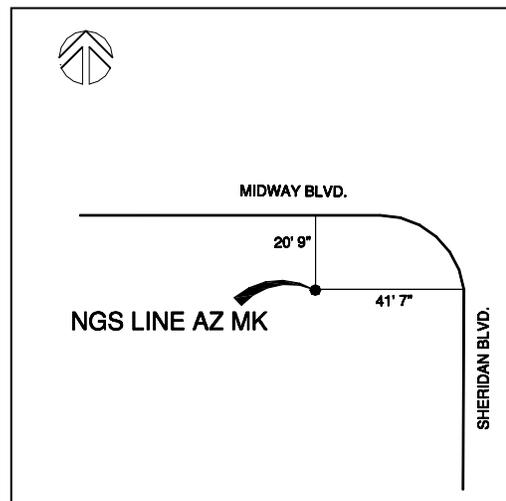
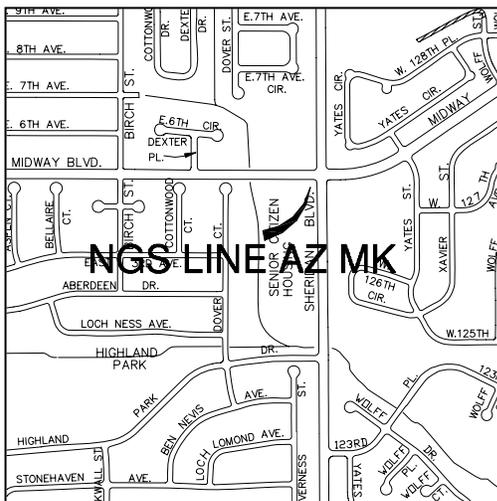
NGS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet**

**Vertical Datum - Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
NAVD 88 – (North American Vertical Datum of 1988)**

**★ NGS Unpublished**      *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°55'29.85531"N	<b>Longitude</b> 105°03'11.92349"W
<b>NSPCS</b>	<b>Northing</b> 1215827.28	<b>Easting</b> 3125278.39
<b>Height (Orthometric)</b>	<b>1617.73 Meters</b>	<b>5307.49 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999972918</b>	



Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northeast 1/4 of Section 36, T1S, R69W, of the 6<sup>th</sup> Principal Meridian at the Southwest corner of Sheridan Blvd. and Midway Blvd. The mark is located 41'7" West of the Sheridan Blvd. Flow Line and 20'9" South of the Midway Blvd. Flow Line. The mark is stamped –LINE 1977—and is set in the top of a 12 – inch round concrete monument flush with the ground.



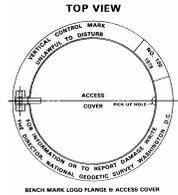




**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS**

May 2006

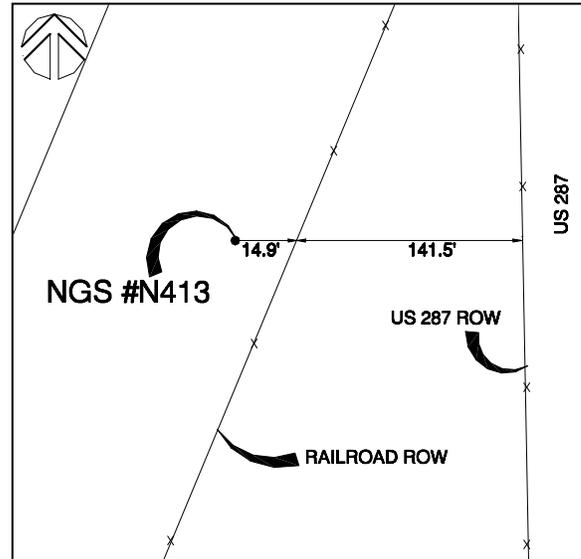
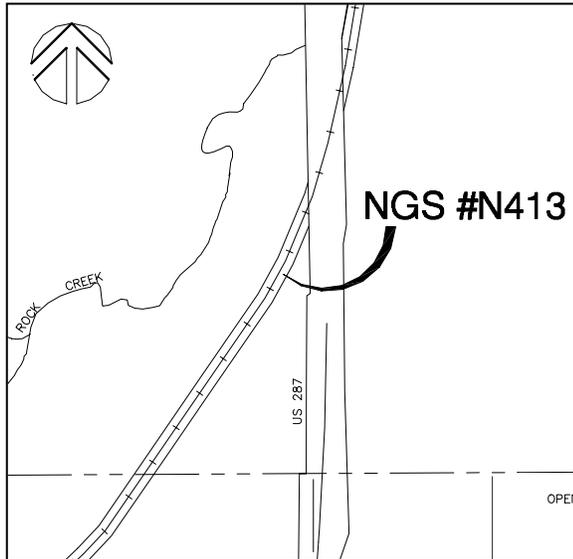
**Designation – NGS N413  
State/County – CO/Boulder  
USGS Quad – Lafayette (1994)**



**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**  
**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

**★ NGS Unpublished**      *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°56'51.57803" N	<b>Longitude</b> 105°05'28.16889" W
<b>NSPCS</b>	<b>Northing</b> 1224045.233	<b>Easting</b> 3114626.046
<b>Height (Orthometric)</b>	<b>1604.842 Meters</b>	<b>5265.219 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999970758</b>	



Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in Boulder County, in the Southeast 1/4 of Section 22, T1S, R69W, if the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of US Highway 287 and Miramonte Blvd. in Broomfield travel North to the intersection of US Highway 287 and the train tracks. The marker is located 14.9' West of railroad ROW fence and 141.5' West of US 287 ROW fence. The mark is a 5-Inch logo cap in the ground, with access to the stainless steel rod set to the depth of 4.9 meters encased in a pipe flush with the ground.





**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

May 2006

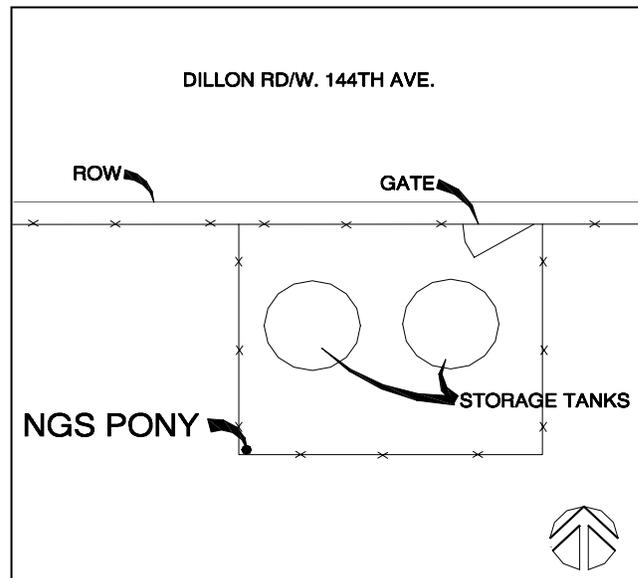
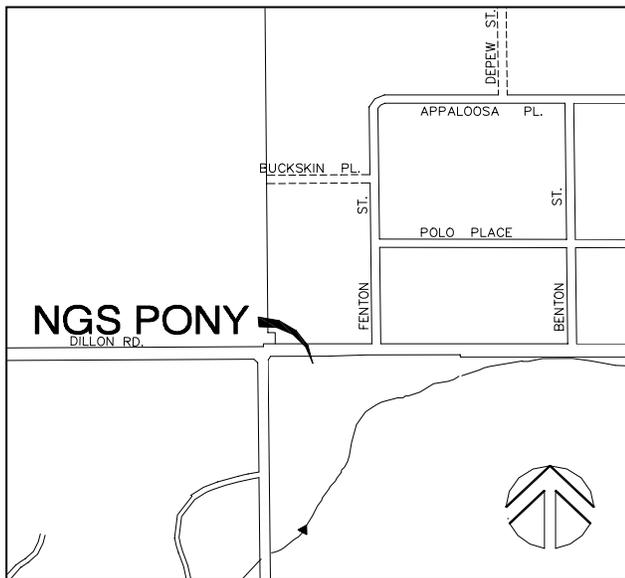
**Designation – NGS Pony**  
**State/County – CO/Broomfield**  
**USGS Quad – Lafayette (1994)**

**NGS**  
**SURVEY**  
**CAP**

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**  
**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Published PID** *KK2062* <http://www.ngs.noaa.gov/>

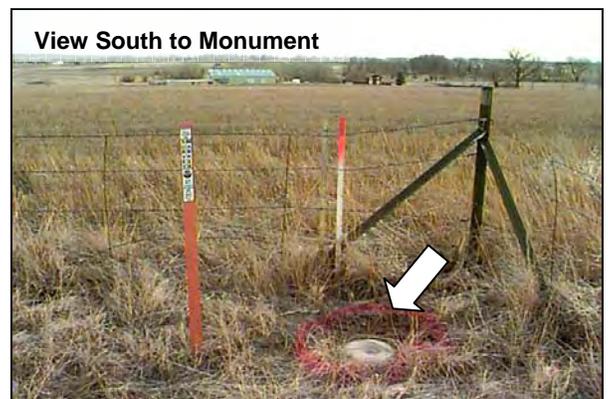
<b>Position</b>	<b>Latitude</b> 39°57'26.73149" N	<b>Longitude</b> 105°03'38.43482" W
<b>NSPCS</b>	<b>Northing</b> 1227643.12484	<b>Easting</b> 3123154.43302
<b>Height (Orthometric)</b>	<b>1654.00 Meters</b>	<b>5426.5 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999969876</b>	



Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northeast 1/4 of Section 24, T1S, R69W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of S. 124<sup>th</sup> St. (Aspen St) and W. 136<sup>th</sup> Ave. in Broomfield, travel North to the intersection of S. 124<sup>th</sup> St. and W. 144<sup>th</sup> Ave. (Dillon Rd.). Travel East on W. 144<sup>th</sup> Ave. The mark is on the South side of W. 144<sup>th</sup> Ave. near some storage tanks. The mark is a brass cap set in concrete in the ground with an orange witness post approximately 1' to the East.

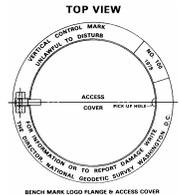




THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006

Designation – NGS P413  
State/County – CO/Boulder  
USGS Quad – Lafayette (1994)



NGS Monument

Horizontal Datum – Not Available at this time

Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Published KK1557

Position -	<u>Latitude</u> Not Available	<u>Longitude</u> Not Available
NSPCS-	<u>Northing</u> Not Available	<u>Easting</u> Not Available
Height (Orthometric)	-1590.691 Meters	5218.79 (US) Feet (Adjusted)
Scale Factor -	Not Available	

Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in Boulder County, in the Southwest 1/4 of Section 14, T1S, R69W, of the 6<sup>th</sup> Principal Meridian.

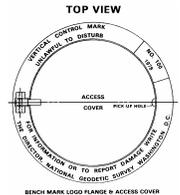
To reach the station from the intersection of W. 144<sup>th</sup> Ave. and US Highway 287 travel East to the intersection of W. 144<sup>th</sup> Ave. and the railroad tracks. The mark is on the North side of W. 144<sup>th</sup> Ave. and is 1' West of railroad ROW (fence) and 40.5' North of W. 144<sup>th</sup> Ave. ROW. The mark is a 5-Inch logo cap in the ground, with access to the stainless steel rod set to the depth of 4.9 meters encased in a pipe flush with the ground.



THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006

Designation – NGS Q413  
State/County – CO/Boulder  
USGS Quad – Lafayette (1994)



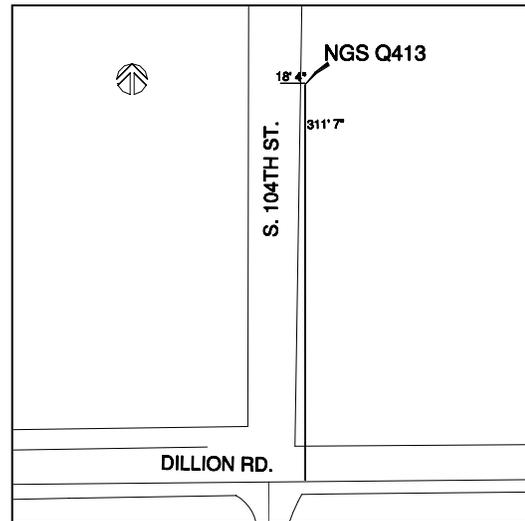
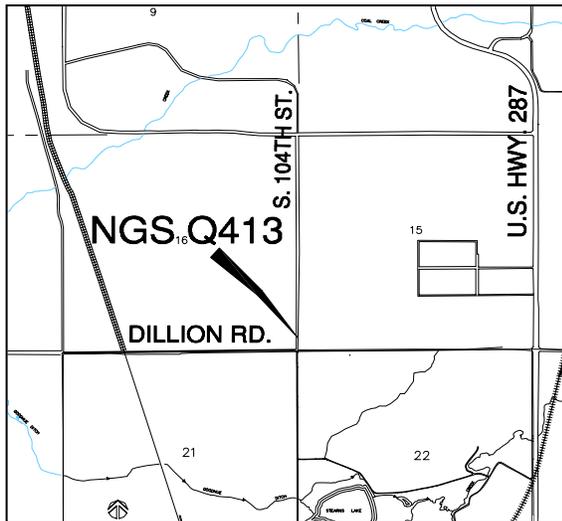
NGS Monument

Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet

Vertical Datum - Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Published KK1556 <http://www.ngs.noaa.gov/>

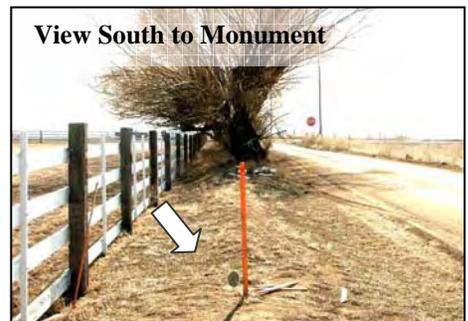
<b>Position</b>	<b>Latitude</b> 39° 57' 31.53189" N	<b>Longitude</b> 105° 06' 33.29741" W
<b>NSPCS</b>	<b>Northing</b> 1228065.126	<b>Easting</b> 3109536.063
<b>Height (Orthometric)</b>	<b>1614.229 Meters</b>	<b>5296.02 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.99996976</b>	



Contact—The City and County of Broomfield, GIS Division,  
One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located about 3 miles northwest of Broomfield in the southwest ¼ of section 15, T1S, R69W.

To reach the station from the intersection of U.S. Highway 287 and Dillon Road in Louisville, go west on Dillon Road for 0.95 miles to the intersection of South 104th Street. Turn right, north, for 0.05 miles to the station on the right. The mark is a punch mark, top center on a stainless steel rod driven to refusal, enclosed in a 5 -inch PVC pipe with logo LID, surrounded by a concrete and recessed 2 cm below the ground. It is 311.7 feet north from the centerline of Dillon Road, 18.4 feet east from the center of South 104th Street, and referenced by a witness post in the vicinity.

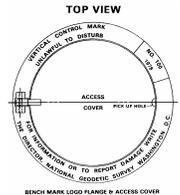




THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS

May 2006

Designation – NGS R413  
State/County – CO/Boulder  
USGS Quad – Louisville (1994)



NGS Monument

Horizontal Datum – Not Available at this time

Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)

★ NGS Published KK1555

Position -	<u>Latitude</u> Not Available	<u>Longitude</u> Not Available
NSPCS-	<u>Northing</u> Not Available	<u>Easting</u> Not Available
Height (Orthometric)	1634.782 Meters	5358.29 (US) Feet (Adjusted)
Scale Factor -	Not Available	

Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

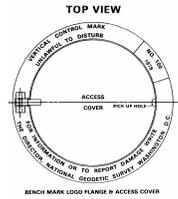
The station is located in Louisville at the intersection of Dillon Rd. and South 96<sup>th</sup> St., 188.0 ft south of the centerline of the road , 54.8 ft north of a fire hydrant, 19.0 ft east of the center of the street, and 3.0 ft north of a utility pole. Access to the datum point is through a 5-inch logo cap.



**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS**

*April 2004*

**Designation – NGS T411  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)**



NGS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

**★ NGS Unpublished**      *Broomfield Surveyed Point*

**MONUMENT DESTROYED**

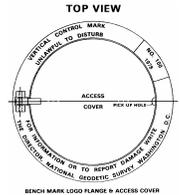
Contact—  
The City and County of Broomfield,  
GIS Division, One DesCombes Dr.,  
Broomfield, CO 80020, 303-464-5834.



**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS**

May 2006

**Designation – NGS U411  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)**

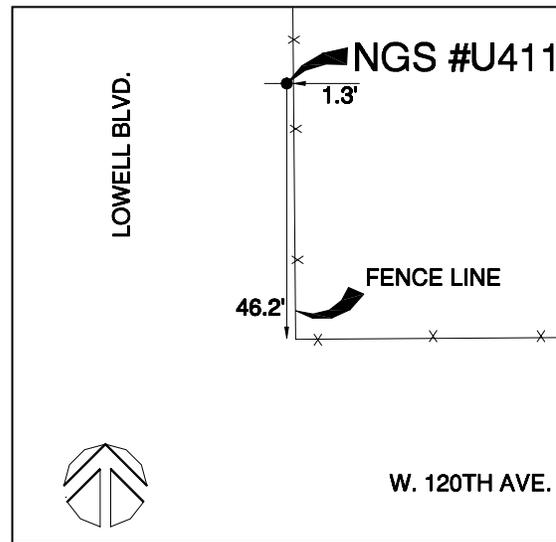
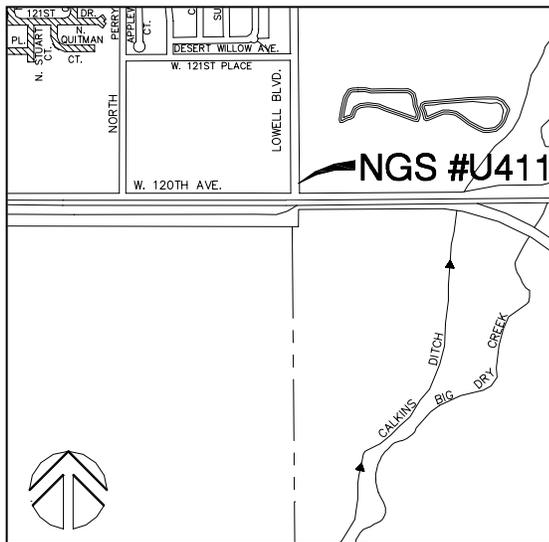


NGS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Unpublished**      *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°54'51.99582" N	<b>Longitude</b> 105°02'03.33188" W
<b>NSPCS</b>	<b>Northing</b> 1212023.954	<b>Easting</b> 3130642.144
<b>Height (Orthometric)</b>	<b>1599.514 Meters</b>	<b>5247.739 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999973972</b>	



Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Southwest 1/4 of Section 32, T1S, R68W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of W. 120<sup>th</sup> Ave. and Lowell Blvd. in Broomfield travel 46.2' North from W.120<sup>th</sup> Ave. ROW and 1.3' West of Lowell Blvd. ROW on the East side of the road. The mark is a 5-Inch logo cap in the ground, with access to the stainless steel rod set to the depth of 4.9 meters encased in a pipe flush with the ground.

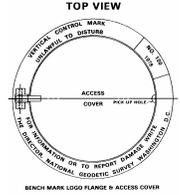




**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS**

May 2006

**Designation – NGS V411  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)**

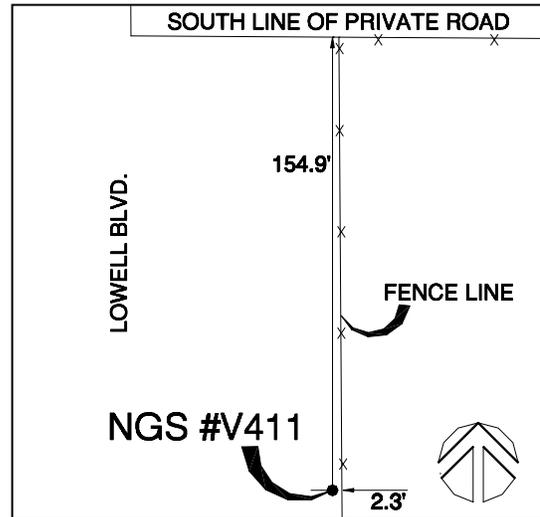
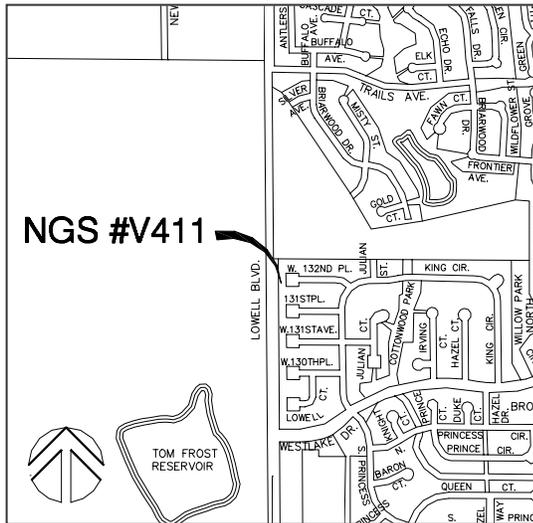


NGS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based  
(SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet  
Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

**★ NGS Unpublished**      *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°56'04.52548" N	<b>Longitude</b> 105°02'03.08373" W
<b>NSPCS</b>	<b>Northing</b> 1219362.979	<b>Easting</b> 3130622.928
<b>Height (Orthometric)</b>	<b>1610.823 Meters</b>	<b>5284.842 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999971983</b>	



Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Southwest 1/4 of Section 29, T1S, R68W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of Lowell Blvd. and W. 128th Ave. in Broomfield, go North on Lowell Blvd. to the intersection of Lowell Blvd. and Westlake Dr. The mark is 2.3' West of the Lowell ROW fence and 154.9' South of the center of the private road. The mark is a 5-inch logo cap in the ground, with access to the stainless steel rod set to the depth of 4.9 meters encased in a pipe flush with the ground.

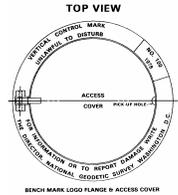




**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET  
GPS CONTROL POINTS**

May 2006

**Designation – NGS W411  
State/County – CO/Broomfield  
USGS Quad – Lafayette (1994)**

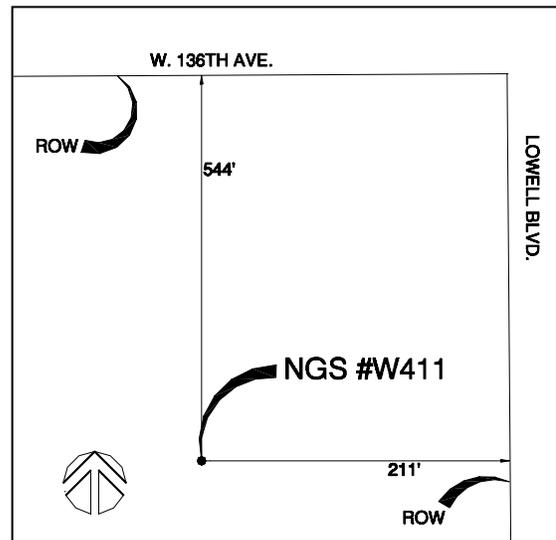
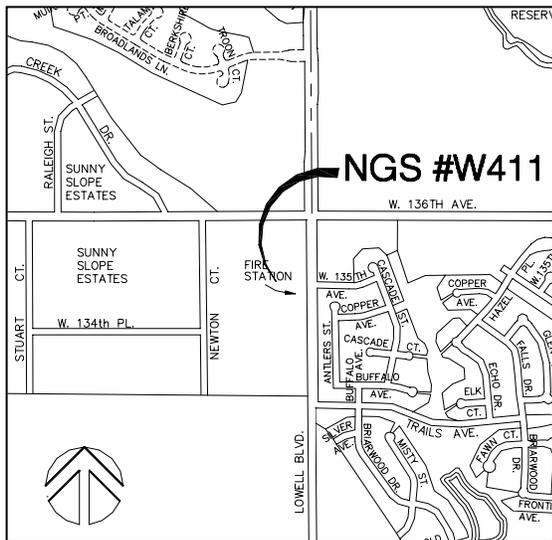


NGS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)  
Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

**★ NGS Unpublished**      *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°56'29.96340" N	<b>Longitude</b> 105°02'07.11402" W
<b>NSPCS</b>	<b>Northing</b> 1221935.274	<b>Easting</b> 3130295.504
<b>Height (Orthometric)</b>	<b>1611.762 Meters</b>	<b>5287.923 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999971314</b>	



**View Southeast to Monument**

Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northeast 1/4 of Section 30, T1S, R68W, of the 6<sup>th</sup> Principal Meridian.

To reach the station from the intersection of Lowell Blvd. and W. 136th Ave. in Broomfield, travel 211 Ft. West of Lowell Blvd. ROW and 544 Ft. South of W. 136th Ave. ROW. The mark is a NGS Monument. The datum point is through a 5-inch logo cap in the ground with access to the stainless steel rod set to the depth of 4.3 meters, encased in a pipe flush with the ground.

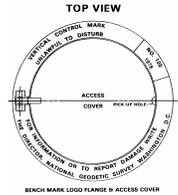




**THE CITY AND COUNTY OF BROOMFIELD SURVEY SHEET**  
**GPS CONTROL POINTS**

May 2006

**Designation – NGS Y411**  
**State/County – CO/Broomfield**  
**USGS Quad – Lafayette (1994)**

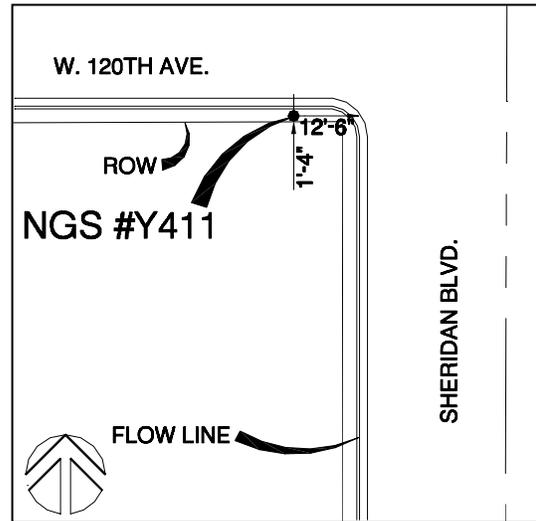
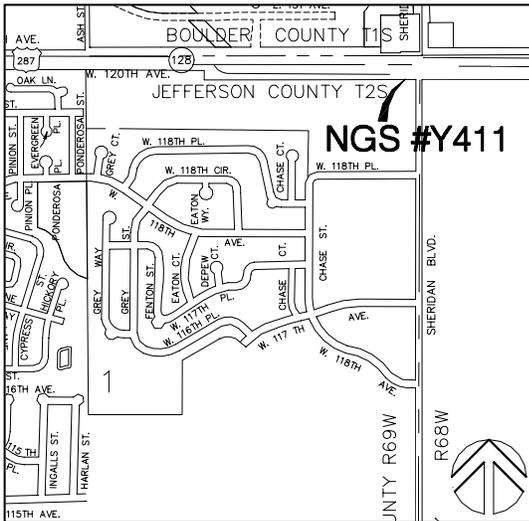


NGS Monument

**Horizontal Datum - NAD 83/92 - HARN (High Accuracy Reference Network) Based (SPCS) State Plane Coordinate System Colorado North Zone 0501 US Survey Feet Ellipsoid GRS 80 – (Geodetic Reference System of 1980)**  
**Vertical Datum - NAVD 88 – (North American Vertical Datum of 1988)**

★ **NGS Unpublished**      *Broomfield Surveyed Point*

<b>Position</b>	<b>Latitude</b> 39°54'49.45757" N	<b>Longitude</b> 105°03'11.22189" W
<b>NSPCS</b>	<b>Northing</b> 1211739.899	<b>Easting</b> 3125353.650
<b>Height (Orthometric)</b>	<b>1610.695 Meters</b>	<b>5284.422 (US) Feet (Adjusted)</b>
<b>Scale Factor</b>	<b>0.999974044</b>	



Contact—The City and County of Broomfield, GIS Division, One DesCombes Dr., Broomfield, CO 80020, 303-464-5834.

The station is located in The City and County of Broomfield, in the Northeast 1/4 of Section 1, T2S, R69W, of the 6<sup>th</sup> Principal Meridian.

The mark is on the Southwest corner of the intersection of W. 120<sup>th</sup> Ave and Sheridan Blvd. and is 12.6' from the Sheridan Blvd. flow line and 1.4' from W. 120<sup>th</sup> Ave. ROW line. The mark is a 5-Inch logo cap in the ground, with access to the stainless steel rod set to the depth of 4.9 meters encased in a pipe. (Located under secondary cover in sidewalk)



