

SURVEYING AND MAPPING DIVISION  
Alberta Survey Control Marker (ASCM) Information  
MASCOT DSS-1

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 51 06 03.00386 dms  
Longitude 114 08 27.73733 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 73-03

ASCM 51607

Tablet Markings 661-8.203

Date Printed 2025-08-03  
Last Updated 2020-01-09

Mapsheet Name CALGARY G  
Mapsheet Number 5661 - 008

Vert Datum CVD28 Updated: 2000-06-15  
Elevation 1119.093 m  
Vert Class INTEGRATED , SPIRIT LEVELS

For current information call Geodetic Survey  
(780) 427-3143 FAX: (780) 427-1493

Marker Condition GOOD 11-03-18

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2020-01-09

Scale Factor 0.999900 At Ref Mer 114

Northing 5662746.605 m  
Easting -9878.085 m  
Convergence -0 06 35.15 dms  
Station Ellipsoid Factor 0.999827  
Station Combined Factor 0.999728

| ASCM Tablet<br>To Markings | Horizontal<br>Distance | Std Dev<br>(m)(cm) | PPM/<br>Order | Grid/<br>Factor | Grnd         | Grid<br>Bearing<br>(dms) | Std<br>Dev<br>(s) | T-t<br>Corr<br>(s) |
|----------------------------|------------------------|--------------------|---------------|-----------------|--------------|--------------------------|-------------------|--------------------|
| 47605 661-8.96             | 248.410                | 1                  | 36/2          | 0.999731        | 179 54 26.94 | 3.1                      | 0.01              |                    |
| 160465 661-8.163           | 285.041                | 1                  | 32/1          | 0.999726        | 354 47 44.67 | 2.6                      | -0.01             |                    |
| 122796 661-8.100           | 327.873                | 1                  | 34/2          | 0.999728        | 145 23 23.94 | 2.9                      | 0.01              |                    |
| 81034 661-8.92             | 397.662                | 1                  | 33/2          | 0.999727        | 86 10 38.58  | 2.7                      | 0.00              |                    |
| 283218 1724.7              | 549.400                | 1                  | 18/1          | 0.999726        | 355 35 49.02 | 1.6                      | -0.01             |                    |

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GEOID DATA (GSD95) Updated: 96-01-06

| Component               | Magnitude | Std Dev |
|-------------------------|-----------|---------|
| Meridian Defl,XI(+N)    | 2.4 s     | 2 s     |
| Prime Vert Defl,ETA(+E) | 6.5 s     | 2 s     |
| Geoid_Ellip Separation  | -16.13 m  | 1 m     |

MARKER TYPE

Updated: 1993-11-18

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

HORZ

VERT

Originating Project 74113 74113  
Published 83-06-03 83-06-03

Revising Project NAD83 98016  
Published 94-05-24 00-06-15  
Revising Project  
Published  
Revising Project  
Published

MARKER LOCATION

Updated: 1974-08-27

ON SW COR OF 52 AVE AND NORTHLAND DR NW; 2.6 M S OF B. OF SEP. WALK PRODUCED W;  
0.90 M E OF B.O.W. PRODUCED N; 0.7 M W OF IRON RAIL FENCE; 4.6 M SW OF SIGNAL  
LTS.

NON COORDINATE REVISIONS

1974-08-27 FIRST MARKER LOCATION  
DESCRIPTION ENTERED  
2003-03-12 "MAPSHEET NAME" AND/OR  
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED IN GOOD CONDITION  
MARKER REPORTED IN GOOD CONDITION

2011-03-18 2011-04-29  
1993-07-08 1993-11-18

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56614 8 203

VERT

00-06-15

0.051 m REVISED ELEVATION-BETTER INTEGRATION

HISTORY 661-08.203 56614 8 203