

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 51 05 53.85044 dms  
Longitude 114 04 59.83771 dms  
Horz Class INTEGRATED , ORDER 3

Marker Installed 71-03

ASCM 16923

Tablet Markings 661-4.144

Date Printed 2025-08-03  
Last Updated 2021-09-30

Mapsheet Name CALGARY G  
Mapsheet Number 5661 - 004

Vert Datum CVD28 Updated: 1999-10-21  
Elevation 1123.097 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 21-09-18

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2020-01-09

Scale Factor 0.999900 At Ref Mer 114

Northing 5662457.605 m  
Easting -5833.696 m  
Convergence -0 03 53.34 dms  
Station Ellipsoid Factor 0.999827  
Station Combined Factor 0.999727

| ASCM Tablet<br>To Markings | Horizontal Distance<br>(m)(cm) | Std Dev<br>(m)(cm) | PPM/ Grid/ Grnd<br>Order Factor | Grid<br>Bearing<br>(dms) | Std<br>Dev<br>(s) | T-t<br>Corr<br>(s) |
|----------------------------|--------------------------------|--------------------|---------------------------------|--------------------------|-------------------|--------------------|
| 83782 661-4.114            | 235.490                        | 1                  | 59/2 0.999730                   | 284 10 37.06             | 5.1               | 0.00               |
| 11676 2024.4               | 343.826                        | 1                  | 32/2 0.999725                   | 24 30 15.06              | 2.6               | 0.00               |
| 136788 661-4.143           | 356.449                        | 1                  | 39/2 0.999723                   | 344 22 45.90             | 3.1               | -0.01              |
| 82263 661-4.150            | 360.425                        | 1                  | 31/1 0.999727                   | 32 31 05.54              | 2.4               | 0.00               |
| 203935 661-4.75            | 364.653                        | 1                  | 44/2 0.999730                   | 189 59 02.95             | 2.7               | 0.01               |
| 234864 661-4.74            | 374.437                        | 1                  | 53/2 0.999727                   | 224 52 55.70             | 3.8               | 0.00               |

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 2021-09-30

Meridian Defl,XI(+N) 2.4 s 2 s  
Prime Vert Defl,ETA(+E) 6.0 s 2 s  
Geoid\_Ellip Separation -16.25 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG  
FLUSH W/GRD.

COORDINATE HISTORY HORZ VERT

MARKER LOCATION

Updated: 2021-09-30

Originating Project 71101 71101  
Published 71-03-01 71-03-01

ON E/S OF LANE BEHIND HOUSE #5016 NESBITT RD. NW. 0.80 M W OF  
STEEL FENCE; 5.0 M S OF THE S WALL OF HOUSE PROD. E; 0.90 M NW OF  
CHAIN LINK FENCE; 3.2 M NW OF START OF CHAIN LINK FENCE.

Revising Project NAD83 98015  
Published 94-05-24 99-10-21  
Revising Project  
Published  
Revising Project  
Published

NON COORDINATE REVISIONS

1972-01-25 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  
MARKER REPORTED IN GOOD CONDITION.

2021-09-18 2021-09-30  
1993-07-19 1994-01-19  
1988-11-04 1989-05-03

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56614 4 144

99-10-21

0.042 m REVISED ELEVATION-BETTER INTEGRATION

HISTORY 661-04.144 56614 4 144