

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 58 39.78441 dms  
Longitude 114 05 13.28619 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 71-03

Date Printed 2025-08-03  
Last Updated 2017-03-20

ASCM 28670

Tablet Markings 646-4.153

Mapsheet Name CALGARY F  
Mapsheet Number 5649 - 004

Vert Datum CVD28 Updated: 2001-02-07  
Elevation 1068.759 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 06-03-14

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated:

Scale Factor 0.999900 At Ref Mer 114

Northing 5649045.526 m  
Easting -6111.192 m  
Convergence -0 04 03.39 dms  
Station Ellipsoid Factor 0.999835  
Station Combined Factor 0.999736

| ASCM Tablet<br>To Markings | Horizontal Distance<br>(m) (cm) | Std Dev<br>(m) (cm) | PPM/ Order | Grid/ Grnd<br>Factor | Grid<br>Bearing<br>(dms) | Std<br>Dev<br>(s) | T-t<br>Corr<br>(s) |
|----------------------------|---------------------------------|---------------------|------------|----------------------|--------------------------|-------------------|--------------------|
| 270587 646-4.152           | 173.490                         | 1                   | 81/2       | 0.999739             | 247 51 13.39             | 6.3               | 0.00               |
| 248336 646-4.154           | 238.280                         | 1                   | 38/2       | 0.999734             | 119 17 29.11             | 3.4               | 0.00               |
| 224410 646-4.151           | 267.254                         | 1                   | 49/2       | 0.999738             | 222 26 20.24             | 4.0               | 0.00               |
| 172080 646-4.155           | 279.051                         | 1                   | 47/2       | 0.999736             | 176 34 45.28             | 3.7               | 0.00               |
| 119651 649-4.179           | 298.242                         | 1                   | 40/2       | 0.999737             | 318 04 53.26             | 3.4               | 0.00               |
| 225136 646-4.131           | 391.439                         | 1                   | 36/2       | 0.999737             | 284 48 59.36             | 3.1               | 0.00               |

GEOID DATA (GSD95) Updated: 17-03-20

Component Magnitude Std Dev

MARKER TYPE

Updated: 1972-07-11

Meridian Defl,XI(+N) 3.5 s 2 s  
Prime Vert Defl,ETA(+E) 6.3 s 2 s  
Geoid\_Ellip Separation -16.05 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

MARKER LOCATION

Updated: 2007-06-25

Originating Project 72117 72117  
Published 72-07-11 72-07-11

LOCATED ON THE W/SIDE OF RD IN FRONT OF HOUSE #45 - HARCOURT RD SW; 1.0 M W OF T  
HE BOW; 4.2 M N OF THE SP/L; 16.3 M S OF THE FH.

Revising Project NAD83 98017  
Published 94-05-24 01-02-07  
Revising Project  
Published  
Revising Project  
Published

NON COORDINATE REVISIONS

1972-07-11 FIRST MARKER LOCATION  
DESCRIPTION ENTERED  
2017-03-20 "MAPSHEET NAME" AND/OR  
"MAPSHEET NO" CHANGED  
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

2006-03-14 2007-06-25  
1993-09-24 1994-01-18

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56464 4 153

01-02-07

0.017 m ELEVATION REVISED AND REINTEGRATED

HISTORY 646-04.153 56464 4 153