

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 51 00 13.68313 dms  
Longitude 113 58 35.14539 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 78-03

ASCM 38745

Tablet Markings 649+4.77

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

Mapsheet Name CALGARY B  
Mapsheet Number 5649 + 004

Vert Datum CVD28 Updated: 1999-08-16  
Elevation 1044.291 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 92-07-27

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated:

Scale Factor 0.999900 At Ref Mer 114

Northing 5651943.576 m  
Easting 1654.310 m  
Convergence 0 01 05.95 dms  
Station Ellipsoid Factor 0.999839  
Station Combined Factor 0.999739

| 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) |
|----------------------------|------------------------|--------------------|---------------|-----------------|--------------|--------------------------|-------------------|--------------------|
| 247544 649+4.78            | 203.290                | 1                  | 44/2          | 0.999738        | 180 19 45.41 | 3.1                      | 0.00              |                    |
| 248161 649+4.21            | 396.501                | 1                  | 33/2          | 0.999740        | 287 44 53.09 | 2.5                      | 0.00              |                    |
| 187039 652+4.161           | 466.289                | 1                  | 30/2          | 0.999741        | 309 10 39.64 | 2.3                      | 0.00              |                    |
| 154252 649+4.80            | 551.175                | 1                  | 24/1          | 0.999739        | 181 35 09.19 | 1.9                      | 0.00              |                    |
| 207126 649+4.81            | 561.305                | 1                  | 25/1          | 0.999737        | 159 37 59.17 | 2.1                      | 0.00              |                    |

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

Component Magnitude Std Dev

Meridian Defl,XI(+N) 3.1 s 2 s  
Prime Vert Defl,ETA(+E) 4.3 s 2 s  
Geoid\_Ellip Separation -16.29 m 1 m

MARKER TYPE

Updated: 1978-12-18

ASC CAP SET IN CONCRETE SIDEWALK

FLUSH WITH GROUND.

COORDINATE HISTORY

Originating Project 78025 78025  
Published 78-12-18 78-12-18

Revising Project NAD83 98014  
Published 94-05-24 99-08-16

Revising Project  
Published  
Revising Project  
Published

MARKER LOCATION

Updated: 1991-09-30

ON N.W. CORNER OF 40 ST. AND 54 AVE. S.E.;  
1.5M EAST OF F.O.C. E/S 40 ST., PROD. NORTH;  
1.6M SOUTH OF F.O.C. N/S OF 54 AVE., PROD. WEST;  
3.8M N.E. OF C.B.

NOTE: STATION REVISED VERTICALLY 86/06/24 IN PROJECT PF85053.

NON COORDINATE REVISIONS

1978-12-18 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

1992-07-27 1992-09-21  
1991-03-27 1991-09-30

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56493 4 77

VERT

99-08-16

0.014 m ELEVATION REVISED AND REINTEGRATED

HISTORY 649+04.77 56493 4 77