

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 51 07 04.18776 dms  
Longitude 113 59 31.85374 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 78-03

ASCM 36368

Tablet Markings DOT702340

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

Mapsheet Name CALGARY B  
Mapsheet Number 5664 + 004

Vert Datum CVD28 Updated: 1981-07-01  
Elevation 1085.755 m  
Vert Class INTEGRATED , CONSULT AGENCY

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

Marker Condition GOOD 94-04-07

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2020-01-09

Scale Factor 0.999900 At Ref Mer 114

Northing 5664627.742 m  
Easting 547.388 m  
Convergence 0 00 21.91 dms  
Station Ellipsoid Factor 0.999832  
Station Combined Factor 0.999733

ASCM Tablet To Markings	Horizontal Distance (m)	Std Dev (cm)	PPM/ Order	Grid/ Factor	Grnd	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
213553 664+00.50	674.106	1	22/1	0.999733	270 13 09.65	1.9	0.00	
49221 664+04.22	729.058	1	19/1	0.999732	86 44 59.22	1.5	0.00	
13037 664+04.32	839.906	1	21/1	0.999732	15 02 19.54	1.8	0.00	
288977 DOT702341	887.647	1	15/1	0.999732	358 04 00.97	1.3	0.00	
79533 661+04.46	944.413	1	14/1	0.999733	211 42 45.52	1.2	0.00	
118901 DOT702339	961.517	1	15/1	0.999733	180 01 55.66	1.2	0.00	

GEOID DATA (GSD95) Updated: 01-03-06

Component Magnitude Std Dev

MARKER TYPE

Updated: 1996-03-01

Meridian Defl,XI(+N) 2.5 s 2 s  
Prime Vert Defl,ETA(+E) 4.9 s 2 s  
Geoid\_Ellip Separation -16.44 m 1 m

BRASS CAP ON A 20 CM X 457 CM REINFORCED CONCRETE CYLINDER  
20CM BGL

COORDINATE HISTORY

MARKER LOCATION

Updated: 1970-11-02

Originating Project 80042 80042  
Published 81-07-01 81-07-01

AT THE INTERNATIONAL AIRPORT; APPROX 530 M S OF 'TO CARGO SERVICES  
RD';  
79.4M E OF N-S FENCE ALONG E BDY OF BARLOW TRAIL;  
60CM N OF E-W FENCE.  
0.46M E OF MP.

Revising Project NAD83  
Published 94-05-24  
Revising Project  
Published  
Revising Project  
Published

NON COORDINATE REVISIONS

1970-11-02 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

1994-04-07 1995-02-03

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56643 4 52

HISTORY DOT 702340 56643 4 52