

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 06 25.15897 dms
Longitude 114 01 22.71973 dms
Horz Class INTEGRATED , ORDER 4

Marker Installed 68-03
Date Printed 2025-08-03
Last Updated 2003-03-12

ASCM 58933
Tablet Markings DOT702303
Mapsheet Name CALGARY G
Mapsheet Number 5661 - 000

Vert Datum CVD28 Updated: 1981-07-01
Elevation 1077.441 m
Vert Class INTEGRATED , CONSULT AGENCY

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

Marker Condition GOOD 94-10-28

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 1996-02-14

Scale Factor 0.999900 At Ref Mer 114

Northing 5663421.982 m
Easting -1609.108 m
Convergence -0 01 04.38 dms
Station Ellipsoid Factor 0.999834
Station Combined Factor 0.999734

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
150839 DOT702406	344.892	2 203/4	0.999734	160 41 30.39	16.3	0.00
165134 DOT702304	391.309	1 59/2	0.999733	351 11 52.90	2.1	0.00
200006 DOT702302	401.602	1 57/2	0.999735	180 03 03.92	2.2	0.00
5850 DOT702320	614.445	1 41/2	0.999734	229 13 26.21	3.5	0.00
233130 DOT702316	645.462	1 40/2	0.999734	62 59 12.75	3.4	0.00
57554 DOT702301	744.861	2 40/2	0.999734	180 03 04.20	1.5	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1996-02-14

Meridian Defl,XI(+N) 2.4 s 2 s
Prime Vert Defl,ETA(+E) 5.2 s 2 s
Geoid_Ellip Separation -16.37 m 1 m

BRASS CAP ON A 20 CM X 457 CM REINFORCED CONCRETE CYLINDER
MANHOLE & COVER, 0.6M E OF GP

COORDINATE HISTORY

MARKER LOCATION

Updated: 1996-02-14

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

COPIED FROM TRANSPORT CANADA;

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

CALGARY INTERNATIONAL AIRPORT;
402 M. N OF S P/L; 128 M. E OF W P/L OF NW 1/4 1-25-1-5; 325.4 M. N OF C/L OF
RUNWAY 07-25; 114.3 M. W OF C/L OF RUNWAY 16-34; 0.6 M. E OF MP.

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.

1994-10-28 1995-01-09

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56614 0 51

HISTORY DOT 702303 56614 0 51