

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 06 01.05968 dms
Longitude 114 01 22.74198 dms
Horz Class INTEGRATED , ORDER 3

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

ASCM 57554
Tablet Markings DOT702301
Mapsheet Name CALGARY G
Mapsheet Number 5661 - 000

Vert Datum CVD28 Updated: 1981-07-01
Elevation 1078.184 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 5662677.320 m
Easting -1609.773 m
Convergence -0 01 04.39 dms
Station Ellipsoid Factor 0.999834
Station Combined Factor 0.999734

ASCM Tablet To Markings	Horizontal Distance (m)	Std Dev (cm)	PPM/Order	Grid/Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
200006 DOT702302	343.258	1	64/2	0.999731	0 03 04.53	2.1	0.00
276071 DOT702404	421.729	1	83/3	0.999733	164 19 18.08	6.8	0.00
150839 DOT702406	434.772	2	159/3	0.999733	15 17 49.72	13.1	0.00
154880 230240	515.308	1	43/2	0.999735	194 33 09.61	2.5	0.00
265413 F48	523.419	1	40/2	0.999735	209 04 03.78	2.6	0.00
5850 DOT702320	577.859	1	42/2	0.999735	306 28 48.80	3.5	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 -16.36 m 1 m

BRASS CAP ON A 20 CM X 457 CM REINFORCED CONCRETE CYLINDER
MANHOLE & COVER, 0.4 M W & 0.6 M 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; 128 M. E OF W P/L; 342 M. S OF N P/L OF SW 1/4
1-25-1-5; 419. 5 M. S OF C/L OF RUNWAY 07-25; 114.3 M. W OF C/L OF RUNWAY
16-34; 8.0 M. E OF AND 14.3 M. N OF TRANSFORMER CABINET; 0.7 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 49

HISTORY DOT 702301 56614 0 49