

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 01 10.34848 dms
Longitude 114 04 01.62382 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 69-03
Date Printed 2025-08-03
Last Updated 2017-03-20

ASCM 61184
Tablet Markings 2118.10
Mapsheet Name CALGARY G
Mapsheet Number 5652 - 004

Vert Datum CVD28 Updated: 1999-10-21
Elevation 1070.713 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 16-03-31

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated:

Scale Factor 0.999900 At Ref Mer 114

Northing 5653696.374 m
Easting -4709.058 m
Convergence -0 03 07.83 dms
Station Ellipsoid Factor 0.999835
Station Combined Factor 0.999735

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)
137562 D46	180.920	1	50/2	0.999737	322 08 07.37	3.6	0.00
184234 D49A	188.189	1	95/2	0.999739	241 09 09.68	5.0	0.00
284398 2118.23	208.167	1	62/2	0.999736	155 27 51.12	5.0	0.00
182469 2118.12	298.748	1	40/2	0.999737	90 00 43.51	3.1	0.00
176933 D47	307.076	1	39/2	0.999736	283 06 38.05	3.2	0.00
66308 2118.22	346.624	1	49/2	0.999738	107 03 28.21	4.0	0.00

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

Component Magnitude Std Dev
Meridian Defl, XI(+N) 3.0 s 2 s
Prime Vert Defl, ETA(+E) 5.8 s 2 s
Geoid_Ellip Separation -16.17 m 1 m

MARKER TYPE Updated: 2017-03-16
ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
35 CM BGL.

COORDINATE HISTORY

	HORZ	VERT
Originating Project Published	69104 70-06-24	69104 70-06-24
Revising Project Published	NAD83 94-05-24	98015 99-10-21
Revising Project Published	75120 83-08-10	98014 99-08-16
Revising Project Published		

MARKER LOCATION Updated: 1993-02-01
ON SE COR OF 38A AVENUE AT 1A STREET S.W.; 2.8 M SOUTH OF B.O.W. S/S PROD.W.;
2.0 M EAST OF B.O.W. PROD. N.; 2.3 M SE OF CB.

NON COORDINATE REVISIONS

Date	Description
1970-06-24	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, CAP EFFACED		2016-03-31	2017-03-16
MARKER REPORTED IN GOOD CONDITION, CAP EFFACED.		2011-03-03	2011-03-31
MARKER REPORTED IN GOOD CONDITION		1991-12-12	1993-02-01
MARKER REPORTED IN GOOD CONDITION		1988-04-08	1988-06-01

COORDINATE HISTORY COMMENTS

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56524 4 188

HISTORY 56524 4 188

Date	Horizontal	Vertical	Comments
94-05-24			ALBERTA NAD83 READJUSTMENT
83-08-10	258 10 23	0.020 m	MOVEMENT DETECTED
99-10-21		-0.075 m	REVISED ELEVATION-BETTER INTEGRATION
99-08-16		0.097 m	ELEVATION REVISED AND REINTEGRATED