

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 04 30.09273 dms
Longitude 114 09 48.76981 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 70-03

ASCM 33704

Tablet Markings 1722.25

Date Printed 2025-08-03
Last Updated 2022-03-03

Mapsheet Name CALGARY G
Mapsheet Number 5658 - 008

Vert Datum CVD28 Updated: 2001-03-06
Elevation 1066.295 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition DESTROYED 22-02-17

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2022-03-03

Scale Factor 0.999900 At Ref Mer 114

Northing 5659878.945 m
Easting -11460.957 m
Convergence -0 07 38.05 dms
Station Ellipsoid Factor 0.999835
Station Combined Factor 0.999737

ASCM Tablet To Markings	Horizontal Distance (m)	Std Dev (cm)	PPM/Order	Grid/Grnd Factor
23598 1722.23	281.250	1	32/1	0.999735
73809 170225	291.898	1	31/1	0.999738
267203 1722.24	329.817	1	27/1	0.999736
196642 1622.6	368.822	1	30/1	0.999736
58545 1722.22	443.525	1	23/1	0.999737
3061 1722.12	506.404	1	22/1	0.999734

Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
50 22 53.11	2.6	-0.01
190 16 41.42	2.6	0.01
18 27 59.36	2.4	-0.01
335 45 42.37	2.4	-0.01
98 05 38.97	1.9	0.00
31 09 56.13	1.8	-0.01

GEOID DATA (GSD95) Updated: 96-01-06

Component	Magnitude	Std Dev
Meridian Defl, XI(+N)	2.6 s	2 s
Prime Vert Defl, ETA(+E)	6.9 s	2 s
Geoid_Ellip Separation	-16.04 m	1 m

MARKER TYPE

Updated: 1970-12-23

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

	HORZ	VERT
Originating Project Published	70107 70-12-23	70107 70-12-23
Revising Project Published	NAD83 94-05-24	21002 01-03-06
Revising Project Published		
Revising Project Published		

MARKER LOCATION

Updated: 2006-06-19

ON NE CORNER OF 48 ST AT BOWNESS RD NW; 0.20 M W OF FRONT OF SEP.W. PROD S; 0.05 M N OF BOW PROD W; 0.90 M NE OF FOW ON CURVE.

NON COORDINATE REVISIONS

Date	Description
1970-12-23	FIRST MARKER LOCATION DESCRIPTION ENTERED
2003-03-12	"MAPSHEET NAME" AND/OR "MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected	Updated
2022-02-17	2022-03-03
2012-04-25	2012-05-28
2005-07-19	2006-06-19
1989-02-07	1990-05-01

MARKER REPORTED AS DESTROYED
MARKER REPORTED IN GOOD CONDITION
MARKER REPORTED IN GOOD CONDITION
MARKER REPORTED IN GOOD CONDITION

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56584 8 77

VERT

01-03-06

0.019 m REVISED ELEVATION-BETTER INTEGRATION

HISTORY

56584 8 77