

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 56 30.16365 dms  
Longitude 114 03 50.82423 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 75-03  
Date Printed 2025-08-03  
Last Updated 2018-02-12

ASCM 47985  
Tablet Markings 643-4.121  
Mapsheet Name CALGARY F  
Mapsheet Number 5643 - 004

Vert Datum CVD28 Updated: 1999-08-16  
Elevation 1050.435 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 05-06-02

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2018-02-12

Scale Factor 0.999900 At Ref Mer 114

Northing 5645038.727 m  
Easting -4506.110 m  
Convergence -0 02 59.24 dms  
Station Ellipsoid Factor 0.999838  
Station Combined Factor 0.999738

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	PPM/ Factor	Grid/ Bearing (dms)	Grnd Dev (s)	T-t Corr (s)
207753 643-4.120	154.704	1	78/2	0.999737 336 05 32.87	6.3	0.00
275172 643-4.122	226.895	1	62/2	0.999736 341 15 17.90	5.1	0.00
217034 643-4.146	241.982	1	62/2	0.999736 329 32 45.75	5.0	0.00
80952 643-4.128	273.351	1	51/2	0.999740 178 49 36.73	4.4	0.00
39057 643-4.123	276.152	1	58/2	0.999739 46 35 03.65	4.8	0.00
273672 643-4.125	340.403	1	41/2	0.999741 116 16 37.66	3.2	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1976-02-18

Meridian Defl,XI(+N) 4.0 s 2 s  
Prime Vert Defl,ETA(+E) 6.0 s 2 s  
Geoid\_Ellip Separation -16.03 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

LANDSCAPED.

COORDINATE HISTORY

MARKER LOCATION

Updated: 2006-06-19

Originating Project 75109 75109  
Published 83-04-29 83-04-29

ON SW CORNER OF BONA VISTA DR AT LAKE ADAMS PL SE; 7.2 M S OF BOW PROD E; 0.05 M  
W OF BOW; 3.1 M SW OF CB.

Revising Project NAD83 98014  
Published 94-05-24 99-08-16  
Revising Project  
Published  
Revising Project  
Published

NON COORDINATE REVISIONS

1976-02-18 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  
MARKER REPORTED IN GOOD CONDITION.

2005-06-02 2006-06-19  
1989-03-09 1989-04-13

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56434 4 121

99-08-16

0.006 m ELEVATION REVISED AND REINTEGRATED

HISTORY 643-04.121 56434 4 121