

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 59 58.73179 dms  
Longitude 113 54 43.89585 dms  
Horz Class INTEGRATED , ORDER 1

Marker Installed 74-03

ASCM 26500

Tablet Markings 649+8.3

Date Printed 2025-08-03  
Last Updated 2017-03-21

Mapsheet Name CALGARY C  
Mapsheet Number 5649 + 008

Vert Datum CVD28 Updated: 1999-08-16  
Elevation 1042.984 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 08-06-10

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2017-03-21

Scale Factor 0.999900 At Ref Mer 114

Northing 5651484.997 m  
Easting 6163.257 m  
Convergence 0 04 05.66 dms  
Station Ellipsoid Factor 0.999839  
Station Combined Factor 0.999740

ASCM Tablet To Markings	Horizontal Distance (m)(cm)	Std Dev (m)	PPM/Order	Grid/Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
562967 562967	600.244	1	17/1	0.999739	178 39 49.82	1.5	-0.01
232215 649+8.25	795.730	1	14/1	0.999740	269 46 35.19	1.1	0.00
182964 652+8.4	994.605	1	12/1	0.999740	0 40 22.30	1.0	0.02
139733 649+8.26	1186.569	1	10/1	0.999740	238 39 29.73	0.9	-0.01
7351 652+8.26	1271.494	1	10/1	0.999740	321 27 43.63	0.8	0.01
267666 649+8.27	1632.279	1	9/1	0.999740	218 21 43.67	0.7	-0.02

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 2009-10-01

Meridian Defl,XI(+N) 3.1 s 2 s  
Prime Vert Defl,ETA(+E) 3.4 s 2 s  
Geoid\_Ellip Separation -16.37 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG  
15 CM BGL, 18 CM E OF GP.

COORDINATE HISTORY

MARKER LOCATION

Updated: 2001-08-21

Originating Project 75117 75117  
Published 83-07-26 83-07-26

W/S OF 84 ST SE N OF 66 AVE; 0.9 M E OF W P/L OF 84 ST; 600 M +/- N OF  
E.W. OF SEC 1 66 AVE; 7.2 M N OF E-W FL.

NOTE: ELEVATION SHOWN IS AS RE-ADJUSTED IN JUNE 1979.

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

NON COORDINATE REVISIONS

1975-10-20 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	2008-06-10	2009-10-01
MARKER REPORTED IN GOOD CONDITION	1999-09-15	2001-08-21
MARKER REPORTED IN GOOD CONDITION	1992-06-03	1992-07-08

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56493 8 3

99-08-16 0.018 m ELEVATION REVISED AND REINTEGRATED

HISTORY 649+08.3 56493 8 3