

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 59 37.19966 dms  
Longitude 113 51 55.91414 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 74-03

ASCM 53306

Tablet Markings 649+12.1

Date Printed 2025-08-03  
Last Updated 2017-03-20

Mapsheet Name CALGARY C  
Mapsheet Number 5649 + 012

Vert Datum CVD28 Updated: 1999-08-16  
Elevation 1036.148 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 06-11-21

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated:

Scale Factor 0.999900 At Ref Mer 114

Northing 5650824.609 m  
Easting 9439.701 m  
Convergence 0 06 16.17 dms  
Station Ellipsoid Factor 0.999840  
Station Combined Factor 0.999741

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev	PPM/ Order	Grid/ Grnd Factor
79475 76A022	1575.693	1	30/2	0.999742
67306 652+12.1	1691.087	1	23/2	0.999741
121731 652+8.6	2318.358	1	18/1	0.999741
261321 646+12.1	2366.106	1	21/1	0.999742
21592 652+12.2	2895.159	1	15/1	0.999740
562967 562967	3263.856	1	13/1	0.999741

Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
180 12 47.30	2.5	-0.04
359 51 36.98	1.8	0.04
315 20 00.79	1.5	0.04
179 52 22.65	1.6	-0.06
359 51 59.97	1.0	0.07
271 03 42.33	1.1	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1975-10-20

Meridian Defl, XI(+N) 3.1 s 2 s  
Prime Vert Defl, ETA(+E) 3.1 s 2 s  
Geoid\_Ellip Separation -16.41 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG  
24 CM E OF GP.

COORDINATE HISTORY

MARKER LOCATION

Updated: 2007-06-26

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

ON WEST SIDE 116 ST. SOUTH OF NORTH SEC. LINE SEC. 29-23-28-4;  
0.90 M E OF W/BDY FENCE LINE; 65 M S OF E-W SECTION LINE FENCE LINE FOR 29-23-28  
-W4M.

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

2006-11-21 2007-06-26

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56493 12 1

99-08-16

0.012 m ELEVATION REVISED AND REINTEGRATED

HISTORY 56493 12 1