

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 59 51.41251 dms  
Longitude 114 07 23.32778 dms  
Horz Class INTEGRATED , ORDER 3

Marker Installed 72-03

ASCM 33142

Tablet Markings 649-8.49

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

Mapsheet Name CALGARY F  
Mapsheet Number 5649 - 008

Vert Datum CVD28 Updated: 2001-02-07  
Elevation 1102.907 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 90-09-04

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2017-03-21

Scale Factor 0.999900 At Ref Mer 114

Northing 5651262.386 m  
Easting -8644.183 m  
Convergence -0 05 44.52 dms  
Station Ellipsoid Factor 0.999830  
Station Combined Factor 0.999731

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
47571 649-8.50	126.293	1 111/2	0.999731	270 07 45.59	4.3	0.00
262568 649-8.48	225.750	1 62/2	0.999729	100 15 55.87	3.7	0.00
280586 649-8.51	284.125	1 63/2	0.999732	269 46 31.78	2.9	0.00
52886 649-8.65	295.619	1 71/2	0.999730	303 34 22.84	5.2	0.00
139782 649-8.82	346.955	1 55/2	0.999730	200 11 39.89	4.5	0.01
186049 649-8.83	399.024	1 43/2	0.999731	144 57 15.14	3.4	0.01

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1973-01-18

Meridian Defl,XI(+N) 3.4 s 2 s  
Prime Vert Defl,ETA(+E) 6.7 s 2 s  
Geoid\_Ellip Separation -16.01 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

MARKER LOCATION

Updated: 1991-03-15

Originating Project 72112 72112  
Published 84-01-12 84-01-12

S. SIDE OF 63 AVENUE S.W. AT LOUISE ROAD;  
1.20M WEST OF B.O.W. W/S LOUISE RD. PROD. SOUTH;  
0.30M SOUTH OF B.O.W. S/S OF 63 AVE.;  
0.30M WEST OF WEST EDGE OF DRIVEWAY TO HOUSE #2803 - 63 AVE.

Revising Project NAD83 98017  
Published 94-05-24 01-02-07  
Revising Project  
Published  
Revising Project  
Published

NON COORDINATE REVISIONS

1973-01-18 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

1990-09-04 1991-03-15

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56494 8 49

01-02-07

0.022 m ELEVATION REVISED AND REINTEGRATED

HISTORY 649-08.49 56494 8 49