

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 57 23.97958 dms  
Longitude 114 08 09.32052 dms  
Horz Class INTEGRATED , ORDER 3

Marker Installed 79-03

ASCM 38687

Tablet Markings 646-8.217

Date Printed 2025-08-03  
Last Updated 2018-02-13

Mapsheet Name CALGARY F  
Mapsheet Number 5646 - 008

Vert Datum CVD28 Updated: 2001-02-07  
Elevation 1120.590 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 90-05-02

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3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2018-02-13

Scale Factor 0.999900 At Ref Mer 114

Northing 5646708.421 m  
Easting -9549.364 m  
Convergence -0 06 20.04 dms  
Station Ellipsoid Factor 0.999827  
Station Combined Factor 0.999728

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
46094 646-8.72	181.439	1 39/1	0.999727	353 18 07.90	2.9	0.00
89342 646-8.232	183.048	1 44/2	0.999729	126 36 21.90	3.5	0.00
71100 646-8.138	201.370	1 65/2	0.999725	185 49 32.56	3.7	0.00
214130 646-8.139	216.090	1 79/2	0.999726	211 37 39.94	6.1	0.00
90118 646-8.229	262.336	1 30/1	0.999729	113 41 48.94	2.5	0.00
76554 646-8.230	263.260	1 34/1	0.999729	93 48 49.84	2.8	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1979-08-27

Meridian Defl,XI(+N) 3.9 s 2 s  
Prime Vert Defl,ETA(+E) 7.0 s 2 s  
Geoid\_Ellip Separation -15.90 m 1 m

ASC BRASS TABLET ON TOP OF 5.0 CM X 3.0 M STEEL PIPE; FLUSH WITH GROUND.

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COORDINATE HISTORY

MARKER LOCATION

Updated: 1979-08-27

	HORZ	VERT
Originating Project	79010	79010
Published	83-08-19	83-08-19
Revising Project	NAD83	98017
Published	94-05-24	01-02-07
Revising Project		
Published		
Revising Project		
Published		

LOCATED AT 108 AVENUE AND CEDARILLE DRIVE SOUTH WEST AT THE NORTH EAST CORNER; 0.05 M EAST OF BACK OF WALK ON EAST SIDE OF CEDARILLE DRIVE; 2.3 M NORTH OF BACK OF WALK ON NORTH SIDE OF 108 AVENUE SOUTH WEST (PRODUCED WEST); AT INTERSECTION OF BACK OF WALK SOUTH.

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NON COORDINATE REVISIONS

	DESCRIPTION ENTERED
1979-08-27	FIRST MARKER LOCATION
2003-03-12	"MAPSHEET NAME" AND/OR "MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED IN GOOD CONDITION

1990-05-02 1991-03-13

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COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

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HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56464 8 217

01-02-07

0.017 m ELEVATION REVISED AND REINTEGRATED

HISTORY 646-08.217 56464 8 217