

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 57 31.75513 dms  
Longitude 114 06 31.43629 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 77-03

ASCM 26450

Tablet Markings 646-4.275

Date Printed 2025-08-03  
Last Updated 2007-06-25

Mapsheet Name CALGARY F  
Mapsheet Number 5646 - 004

Vert Datum CVD28 Updated: 2001-02-07  
Elevation 1097.199 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 06-03-22

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2007-06-25

Scale Factor 0.999900 At Ref Mer 114

Northing 5646945.510 m  
Easting -7638.744 m  
Convergence -0 05 04.03 dms  
Station Ellipsoid Factor 0.999831  
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)
195958 646-4.274	120.504	1 108/2	0.999738	280 40 29.75	8.8	0.00
47175 646-4.277	133.034	1 105/2	0.999726	122 17 40.99	8.0	0.00
227090 646-4.281	133.945	1 97/2	0.999734	224 50 40.16	8.3	0.00
51037 646-4.273	165.613	1 91/2	0.999733	294 39 32.33	7.4	0.00
61218 646-4.280	228.805	1 66/2	0.999733	229 15 03.47	5.3	0.00
295188 646-4.272	263.879	1 61/2	0.999733	352 26 11.20	4.7	-0.01

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1978-01-31

Meridian Defl,XI(+N) 3.8 s 2 s  
Prime Vert Defl,ETA(+E) 6.7 s 2 s  
Geoid\_Ellip Separation -15.97 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG  
FLUSH W/GRD.

COORDINATE HISTORY

MARKER LOCATION

Updated: 2007-06-25

Originating Project 77030 77030  
Published 78-01-17 78-01-17

SOUTH-WEST CORNER OF BROOKMERE ROAD AND BROOKMERE ROAD SW; 0.10 M SW OF BORC ON  
CURVE; 1.6 M S OF BORC PROD E; 3.7 M W OF BOW PROD N.

Revising Project NAD83 98017  
Published 94-05-24 01-02-07  
Revising Project 98015  
Published 99-10-21  
Revising Project  
Published

NON COORDINATE REVISIONS

1978-01-31 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

2006-03-22 2007-06-25

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56464 4 275

01-02-07 -0.005 m ELEVATION REVISED AND REINTEGRATED  
99-10-21 0.023 m REVISED ELEVATION-BETTER INTEGRATION

HISTORY 646-04.275 56464 4 275