

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 58 04.14455 dms
Longitude 114 07 59.39371 dms
Horz Class INTEGRATED , ORDER 3

Marker Installed 72-03
Date Printed 2025-08-03
Last Updated 2003-03-12

ASCM 16055
Tablet Markings 646-8.41
Mapsheet Name CALGARY F
Mapsheet Number 5646 - 008

Vert Datum CVD28 Updated: 2001-02-07
Elevation 1112.735 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 90-05-01

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2003-01-21

Scale Factor 0.999900 At Ref Mer 114

Northing 5647949.125 m
Easting -9353.396 m
Convergence -0 06 12.39 dms
Station Ellipsoid Factor 0.999828
Station Combined Factor 0.999729

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	PPM/ Factor	Grid/ Grnd
87627 646-8.42	176.824	1 45/2	0.999729	
127464 646-8.40	216.809	1 41/2	0.999731	
185793 646-8.119	225.405	1 58/2	0.999730	
182535 646-8.111	230.287	1 56/2	0.999730	
222372 646-8.120	231.666	1 52/2	0.999728	
25296 646-8.110	271.974	1 44/2	0.999729	

Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
162 32 49.54	3.8	0.00
13 34 49.23	3.6	0.00
348 10 47.10	5.0	-0.01
321 37 35.63	4.6	0.00
354 33 41.10	4.4	-0.01
306 29 57.54	3.5	0.00

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

Component	Magnitude	Std Dev
Meridian Defl,XI(+N)	3.8 s	2 s
Prime Vert Defl,ETA(+E)	7.0 s	2 s
Geoid_Ellip Separation	-15.93 m	1 m

MARKER TYPE

Updated: 1972-08-09

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

	HORZ	VERT
Originating Project	72115	72115
Published	83-03-19	83-03-19
Revising Project	NAD83	98017
Published	94-05-24	01-02-07
Revising Project		
Published		
Revising Project		
Published		

MARKER LOCATION

Updated: 1991-03-08

N.W. COR. OF OAKFIELD DRIVE AND 100 OAKFIELD PLACE;
0.05M EAST OF F.O.W. W/S;
3.80M NORTH OF B.O.C. N/S;
6.30M S.W. OF STREET LIGHT.

NON COORDINATE REVISIONS

Date	Description
1972-08-09	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

1990-05-01 1991-03-08

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56464 8 41

VERT

01-02-07

0.017 m ELEVATION REVISED AND REINTEGRATED

HISTORY 646-08.41 56464 8 41