

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 57 18.39748 dms
Longitude 114 05 05.77421 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 70-03

ASCM 24257

Tablet Markings 646-4.40

Date Printed 2025-08-03
Last Updated 2018-02-12

Mapsheet Name CALGARY F
Mapsheet Number 5646 - 004

Vert Datum CVD28 Updated: 2001-02-07
Elevation 1071.082 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 05-06-03

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2018-02-12

Scale Factor 0.999900 At Ref Mer 114

Northing 5646530.578 m
Easting -5967.554 m
Convergence -0 03 57.48 dms
Station Ellipsoid Factor 0.999835
Station Combined Factor 0.999735

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev	PPM/ Order	Grid/ Grnd Factor
63545 646-4.41	201.599	1	60/2	0.999736
90993 646-4.71	216.326	1	46/2	0.999736
266502 646-4.42	234.300	1	64/2	0.999735
232991 646-4.70	314.375	1	41/2	0.999737
106682 646-4.310	322.837	1	40/2	0.999733
274365 646-4.72	323.237	1	34/2	0.999735

Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
7 39 47.43	3.9	0.00
89 11 59.61	3.6	0.00
344 06 02.41	5.3	0.00
49 26 55.58	3.6	0.00
227 46 14.17	3.3	0.00
131 50 57.51	2.8	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)	6.4 s	2 s
Geoid_Ellip Separation	-16.01 m	1 m

MARKER TYPE

Updated: 1971-04-21

ASC CAP SET IN CONCRETE SIDEWALK

COORDINATE HISTORY

MARKER LOCATION

Updated: 2006-06-16

ON W/S OF ELBOW DR AND N OF SOUTHGLEN DR SW; 1.0 M W OF FOW; 55.2 M N OF FOC ON
N/S OF SOUTHGLEN DR; 15.0 M S OF N P/L OF HOUSE # 10923 ELBOW DR SW.

Originating Project	70104	70104
Published	71-04-21	71-04-21
Revising Project	NAD83	98017
Published	94-05-24	01-02-07
Revising Project		
Published		
Revising Project		
Published		

NON COORDINATE REVISIONS

Date	Description
1971-04-21	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

2005-06-03 2006-06-16

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56464 4 40

01-02-07

0.019 m ELEVATION REVISED AND REINTEGRATED

HISTORY 646-04.40 56464 4 40