

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 59 46.76979 dms
Longitude 114 04 54.90338 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 75-03

Date Printed 2025-08-03
Last Updated 2007-06-20

ASCM 950

Tablet Markings 649-4.241

Mapsheet Name CALGARY F
Mapsheet Number 5649 - 004

Vert Datum CVD28 Updated: 2001-02-07
Elevation 1073.131 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 05-07-25

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2007-06-20

Scale Factor 0.999900 At Ref Mer 114

Northing 5651114.905 m
Easting -5750.304 m
Convergence -0 03 49.17 dms
Station Ellipsoid Factor 0.999834
Station Combined Factor 0.999735

ASCM Tablet To Markings	Horizontal Distance (m)(cm)	Std Dev (dms)	PPM/ Order Grid/ Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
260315 649-4.240	166.124	1	60/2 0.999734	4 27 09.94	4.5	0.00
190462 649-4.233	184.773	1	65/2 0.999732	113 05 19.94	5.6	0.00
46300 2017.23	189.338	1	63/2 0.999737	328 16 57.65	5.0	0.00
114389 2017.35	194.810	1	62/2 0.999736	34 18 09.36	5.1	0.00
13367 649-4.234	241.254	1	62/2 0.999732	88 57 08.36	5.0	0.00
231498 649-4.235	340.043	1	41/2 0.999733	64 18 43.31	3.6	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1976-01-05

Meridian Defl,XI(+N) 3.2 s 2 s
Prime Vert Defl,ETA(+E) 6.2 s 2 s
Geoid_Ellip Separation -16.10 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

MARKER LOCATION

Updated: 2006-06-16

Originating Project 75105 75105
Published 75-10-14 75-10-14

ON W/S OF MACKAY DR AT MAYFAIR RD SW; 0.5M W OF B.O.W.; IN LINE WITH N P/L OF HO
USE NO 37; 3.5M S OF B.O.W. PROD W.; ON W/S OF MACKAY DR AT MAYFAIR DR SW; 0.05
M W OF GOW; IN LINE WITH N P/L OF HOUSE #37; 3.5 M S OF BOW PRODUCED W.

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

NON COORDINATE REVISIONS

1976-01-05 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
MARKER REPORTED IN GOOD CONDITION.

2005-07-25 2006-06-16
1991-09-08 1992-01-28

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56494 4 241

01-02-07

0.016 m ELEVATION REVISED AND REINTEGRATED

HISTORY 649-04.241 56494 4 241