

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 00 10.12767 dms
Longitude 114 02 35.90450 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 75-03

ASCM 6650

Tablet Markings 649-0.149

Date Printed 2025-08-03
Last Updated 2017-03-21

Mapsheet Name CALGARY G
Mapsheet Number 5649 - 000

Vert Datum CVD28 Updated: 1999-08-16
Elevation 1066.622 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 05-04-21

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2017-03-21

Scale Factor 0.999900 At Ref Mer 114

Northing 5651834.343 m
Easting -3039.549 m
Convergence -0 02 01.17 dms
Station Ellipsoid Factor 0.999835
Station Combined Factor 0.999736

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
90035 649-0.148	134.512	1 52/2	0.999741	264 14 36.88	4.1	0.00
252833 649-0.150	186.444	1 43/2	0.999737	219 23 12.08	3.7	0.00
101857 649-0.144	264.426	1 34/1	0.999739	358 27 45.02	3.0	0.00
52001 649-0.145	285.348	1 35/2	0.999737	334 16 25.41	3.0	0.00
69393	315.447	1 47/2	0.999734	260 53 33.60	3.5	0.00
235101 649-0.147	339.970	1 29/1	0.999737	270 38 46.20	2.5	0.00

GEOID DATA (GSD95) Updated: 17-03-20

Component Magnitude Std Dev

MARKER TYPE

Updated: 1976-01-30

Meridian Defl, XI(+N) 3.1 s 2 s
Prime Vert Defl, ETA(+E) 5.4 s 2 s
Geoid_Ellip Separation -16.19 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 75106 75106
Published 83-05-13 83-05-13

ON NE COR OF BURLIEGH CRES AND BURLIEGH CRES SE (SE LEG); 0.1 M E OF FOC; 2.3 M
N OF FOC N/S PROD E; 1.7 M S OF CB; AT INT OF BACK OF CURVES N/S OF DRIVEWAY.

Revising Project NAD83 98014
Published 94-05-24 99-08-16
Revising Project
Published
Revising Project
Published

NON COORDINATE REVISIONS

1976-01-30 FIRST MARKER LOCATION
DESCRIPTION ENTERED
2017-03-20 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED
2003-03-12 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED IN GOOD CONDITION

2005-04-21 2006-06-16

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56494 0 149

99-08-16

0.014 m ELEVATION REVISED AND REINTEGRATED

HISTORY 649+00.149 56494 0 149