

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 51 00 04.72301 dms  
Longitude 114 06 32.56440 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 72-03

Date Printed 2025-08-03  
Last Updated 2003-03-12

ASCM 5983

Tablet Markings 649-4.220

Mapsheet Name CALGARY G  
Mapsheet Number 5649 - 004

Vert Datum CVD28 Updated: 2001-02-07  
Elevation 1098.160 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 72-03-01

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 1999-10-02

Scale Factor 0.999900 At Ref Mer 114

Northing 5651672.111 m  
Easting -7653.770 m  
Convergence -0 05 05.09 dms  
Station Ellipsoid Factor 0.999830  
Station Combined Factor 0.999731

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	PPM/ Grid/ Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
64246 649-4.224	187.172	1	48/2 0.999728	89 12 17.22	3.5	0.00
76844 D89	206.798	1	48/2 0.999732	270 13 58.06	3.6	0.00
86967 649-4.218	265.342	1	38/2 0.999728	183 37 38.63	3.2	0.01
21303 649-4.225	277.664	1	43/2 0.999731	38 22 20.52	3.5	0.00
242602 D87	285.803	1	35/2 0.999730	90 20 17.13	2.8	0.00
268417 649-4.223	288.435	1	42/2 0.999733	314 03 02.15	3.5	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1973-02-06

Meridian Defl,XI(+N) 3.3 s 2 s  
Prime Vert Defl,ETA(+E) 6.5 s 2 s  
Geoid\_Ellip Separation -16.05 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

MARKER LOCATION

Updated: 1973-02-06

Originating Project 72111 72111  
Published 70-06-24 70-06-24

SE CORNER OF 58 AVE AND 20 ST SW;  
13' E OF F.O.C. E; 7' S OF F.O.C. S.

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

NON COORDINATE REVISIONS

1973-02-06 FIRST MARKER LOCATION  
DESCRIPTION ENTERED  
2003-03-12 "MAPSHEET NAME" AND/OR  
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56494 4 220

01-02-07

0.014 m ELEVATION REVISED AND REINTEGRATED

HISTORY 649-04.220 56494 4 220