

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 59 05.98845 dms
Longitude 113 58 35.02793 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 82-07
Date Printed 2025-08-03
Last Updated 2003-03-12

ASCM 3582
Tablet Markings 649+4.108
Mapsheet Name CALGARY C
Mapsheet Number 5649 + 004

Vert Datum CVD28 Updated: 1999-08-16
Elevation 1046.258 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 85-03-20

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 1999-10-02

Scale Factor 0.999900 At Ref Mer 114

Northing 5649851.867 m
Easting 1657.269 m
Convergence 0 01 06.02 dms
Station Ellipsoid Factor 0.999839
Station Combined Factor 0.999739

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev (m) (cm)	PPM/ Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
135418 649+4.109	396.326	1	23/1	0.999738	273 31 42.86	1.9	0.00
270215 649+4.116	432.700	1	30/2	0.999739	299 46 17.50	2.4	0.00
201012 649+4.107	458.500	1	22/1	0.999740	87 34 59.20	1.8	0.00
80341 649+4.96	488.362	1	23/1	0.999739	357 43 18.53	1.9	0.00
26781 649+4.69	533.961	1	21/1	0.999738	307 12 36.89	1.7	0.00
481747 649+4.129	567.938	1	19/1	0.999740	181 29 14.21	1.7	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1983-08-26

Meridian Defl,XI(+N) 3.3 s 2 s
Prime Vert Defl,ETA(+E) 4.2 s 2 s
Geoid_Ellip Separation -16.26 m 1 m

ASC CAP SET IN CONCRETE SIDEWALK

COORDINATE HISTORY

MARKER LOCATION

Updated: 1983-08-26

Originating Project 82024 82024
Published 83-09-27 83-09-27

SE COR OF 76 AVE SE & 40 ST SE; 8.41M S OF S B.O.C. S; 3.65M E OF
E B.O.C. E; MARKER IN TOP OF CURB.

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

NON COORDINATE REVISIONS

1983-08-26 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 # 56493 4 108

99-08-16

0.008 m ELEVATION REVISED AND REINTEGRATED

HISTORY 56493 4 108