

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 59 59.31004 dms
Longitude 113 59 26.70747 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 73-03

ASCM 57208

Tablet Markings 649+4.29

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

Mapsheet Name CALGARY C
Mapsheet Number 5649 + 004

Vert Datum CVD28 Updated: 1999-08-16
Elevation 1043.599 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 90-12-12

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2001-08-30

Scale Factor 0.999900 At Ref Mer 114

Northing 5651499.235 m
Easting 649.121 m
Convergence 0 00 25.87 dms
Station Ellipsoid Factor 0.999839
Station Combined Factor 0.999739

ASCM Tablet To Markings	Horizontal Distance (m)(cm)	Std Dev Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
118026 649+4.124	112.521	1 116/2	0.999740	159 29 21.98	5.5	0.00
124123 649+4.73	139.904	1 50/2	0.999739	33 44 31.57	3.5	0.00
2477 649+4.123	197.301	1 81/2	0.999740	232 12 32.72	6.8	0.00
215574 649+4.72	248.684	1 40/2	0.999739	96 44 16.52	3.3	0.00
243139 649+4.125	315.117	1 38/2	0.999737	112 27 52.87	3.1	0.00
228148 649+4.30	316.599	1 28/1	0.999738	33 02 45.64	2.1	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1991-06-18

Meridian Defl,XI(+N) 3.1 s 2 s
Prime Vert Defl,ETA(+E) 4.4 s 2 s
Geoid_Ellip Separation -16.27 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
20 CM BGL

COORDINATE HISTORY HORZ VERT

Originating Project 73119 73119
Published 83-03-05 83-03-05

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

MARKER LOCATION

Updated: 1974-03-13

LOCATED ON THE SOUTH SIDE OF 58 AVENUE SOUTH EAST AND EAST OF 28
STREET; 3.9 M SOUTH OF FACE OF CURB SOUTH; 0.8 M NORTH OF CHAIN LINK
FENCE; 3.0 M EAST OF THE WEST WALL OF BUILDING ON THE NORTH SIDE OF
58 AVENUE.

NON COORDINATE REVISIONS

1974-03-13 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

1990-12-12 1991-06-18

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56493 4 29

VERT

99-08-16

0.014 m ELEVATION REVISED AND REINTEGRATED

HISTORY 649+04.29 56493 4 29