

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 59 45.03775 dms  
Longitude 113 58 57.40678 dms  
Horz Class INTEGRATED , ORDER 3

Marker Installed 78-03

ASCM 10421

Tablet Markings 649+4.88

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

Mapsheet Name CALGARY C  
Mapsheet Number 5649 + 004

Vert Datum CVD28 Updated: 1999-08-16  
Elevation 1044.278 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 16-10-11

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2017-03-21

Scale Factor 0.999900 At Ref Mer 114

Northing 5651058.336 m  
Easting 1220.514 m  
Convergence 0 00 48.64 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)
191536 649+4.89	149.297	1	54/2 0.999739	57 03 53.29	4.1	0.00
72157 649+4.75	256.495	1	47/2 0.999740	208 42 41.52	4.0	0.00
243139 649+4.125	425.883	1	31/2 0.999739	318 49 59.94	2.5	0.00
58727 649+4.90	449.530	1	53/2 0.999739	78 05 30.79	4.4	0.00
215574 649+4.72	524.365	1	23/1 0.999738	321 45 27.80	2.0	0.00
154252 649+4.80	535.879	1	22/1 0.999740	51 22 30.00	1.9	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1978-12-18

Meridian Defl, XI(+N) 3.2 s 2 s  
Prime Vert Defl, ETA(+E) 4.3 s 2 s  
Geoid\_Ellip Separation -16.27 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

LANDSCAPED

COORDINATE HISTORY

MARKER LOCATION

Updated: 2017-03-16

Originating Project 78025 78025  
Published 78-12-18 78-12-18

ON W/S OF BARLOW TRAIL AND JUST N OF 64 AVE SE; 0.1 M W OF F.O.R.C.; 30.0 M N OF  
FOC N/S PROD E; 11.1 M SE OF LIGHT STANDARD.

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

NON COORDINATE REVISIONS

1978-12-18 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, CAP EFFACED  
MARKER REPORTED IN GOOD CONDITION

2016-10-11 2017-03-16  
2006-05-16 2006-06-16

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56493 4 88

99-08-16

0.016 m ELEVATION REVISED AND REINTEGRATED

HISTORY 649+04.88 56493 4 88