

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 09 58.78392 dms
Longitude 114 15 04.82525 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 74-03

ASCM 58271

Tablet Markings 667-16.7

Date Printed 2025-08-03
Last Updated 2007-06-20

Mapsheet Name CALGARY J
Mapsheet Number 5670 - 016

Vert Datum CVD28 Updated: 1983-08-17
Elevation 1288.800 m
Vert Class NOT INTEGRATED, NON-SIMUL TRIG

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

Marker Condition GOOD 86-09-12

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2007-06-20

Scale Factor 0.999900 At Ref Mer 114

Northing 5670052.762 m
Easting -17578.582 m
Convergence -0 11 44.83 dms
Station Ellipsoid Factor 0.999801
Station Combined Factor 0.999704

| ASCM Tablet To Markings | Horizontal Distance | Std Dev (m)(cm) | PPM/ Order | Grid/ Factor | Grnd | Grid Bearing (dms) | Std Dev (s) | T-t Corr (s) |
|----------------------------|------------------------|--------------------|---------------|-----------------|--------------|--------------------------|-------------------|--------------------|
| 260067 1329.2 | 241.360 | 1 | 46/2 | 0.999703 | 18 00 14.13 | 3.7 | -0.01 | |
| 247403 667-16.8 | 448.324 | 1 | 36/2 | 0.999706 | 243 47 19.61 | 3.0 | 0.01 | |
| 116400 670-16.23 | 890.489 | 1 | 26/2 | 0.999706 | 71 45 41.68 | 2.1 | -0.01 | |
| 515304 515304 | 1344.719 | 1 | 19/1 | 0.999705 | 60 39 17.42 | 1.5 | -0.03 | |
| 981902 981902 | 1394.269 | 1 | 18/1 | 0.999706 | 121 26 31.07 | 1.5 | 0.03 | |
| 230854 667-16.22 | 1416.619 | 1 | 16/1 | 0.999706 | 198 46 55.64 | 1.2 | 0.06 | |

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1975-10-07

Meridian Defl,XI(+N) 1.6 s 2 s
Prime Vert Defl,ETA(+E) 7.2 s 2 s
Geoid_Ellip Separation -15.94 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

HORZ VERT

Originating Project 75119 75119
Published 83-08-17 83-08-17

Revising Project NAD83
Published 94-05-24
Revising Project
Published
Revising Project
Published

MARKER LOCATION

Updated: 1975-10-07

IN NW 1/4 SEC 29-25-2-W5; APPROX 377.5M W OF N-S 1/4 LINE OF SEC 29-5-2-W5; APPROX 258.1M S OF N BDY OF SEC 29-25-2-W5; IN W END OF DRIVEWAY MONUMENT IS 0.30M W OF GP.

NON COORDINATE REVISIONS

1975-10-07 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

OLD ASC # 56674 16 7

VERT

HISTORY 56674 16 7