

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 00 31.12236 dms
Longitude 114 02 59.07216 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 69-03
Date Printed 2025-08-03
Last Updated 2017-03-21

ASCM 29165
Tablet Markings 2118.54
Mapsheet Name CALGARY G
Mapsheet Number 5652 - 000

Vert Datum CVD28 Updated: 1999-08-16
Elevation 1061.877 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 05-05-24

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2017-03-21

Scale Factor 0.999900 At Ref Mer 114

Northing 5652483.348 m
Easting -3490.793 m
Convergence -0 02 19.18 dms
Station Ellipsoid Factor 0.999836
Station Combined Factor 0.999736

| 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) |
|----------------------------|------------------------|--------------------|---------------|-----------------|--------|--------------------------|-------------------|--------------------|
| 8714 2117.35 | 222.816 | 1 | 72/2 | 0.999737 | 234 27 | 22.51 | 5.9 | 0.00 |
| 214858 2118.37 | 270.601 | 1 | 44/2 | 0.999740 | 2 08 | 03.41 | 2.6 | 0.00 |
| 249177 220178 | 283.495 | 1 | 39/2 | 0.999734 | 158 49 | 15.25 | 2.2 | 0.00 |
| 186999 2118.39 | 351.764 | 1 | 43/2 | 0.999739 | 309 51 | 57.01 | 3.6 | 0.00 |
| 70086 2218.26 | 389.965 | 1 | 33/2 | 0.999737 | 42 07 | 27.42 | 2.9 | 0.00 |
| 198739 649-0.146 | 396.253 | 1 | 33/2 | 0.999734 | 155 36 | 45.33 | 2.2 | 0.00 |

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

Component Magnitude Std Dev

Meridian Defl,XI(+N) 3.1 s 2 s
Prime Vert Defl,ETA(+E) 5.5 s 2 s
Geoid_Ellip Separation -16.18 m 1 m

MARKER TYPE

Updated: 1970-06-24

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

HORZ VERT

Originating Project 69104 69104
Published 70-06-24 70-06-24

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

MARKER LOCATION

Updated: 2006-06-19

ON TOP OF HILL JUST N OF 53 AVE AND W OF BLACKFOOT TR SE ON NE CORNER OF SOVEREIGN CASTING BLDG; 5.2 M NW OF CORNER POST OF FENCE; 0.80 M N OF E-W POWERLINE PRO D E; 3.0 M E OF POWER POLE WITH ANCHOR.

NON COORDINATE REVISIONS

1970-06-24 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

2005-05-24 2006-06-19

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56524 0 121

VERT

99-08-16

0.018 m ELEVATION REVISED AND REINTEGRATED

HISTORY 56524 0 121