

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 04 31.28038 dms
Longitude 114 09 18.31696 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 70-03
Date Printed 2025-08-03
Last Updated 2012-05-28

ASCM 32482
Tablet Markings 1722.17
Mapsheet Name CALGARY G
Mapsheet Number 5658 - 008

Vert Datum CVD28 Updated: 2001-03-06
Elevation 1084.305 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 12-04-25

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2006-06-23

Scale Factor 0.999900 At Ref Mer 114

Northing 5659914.360 m
Easting -10868.087 m
Convergence -0 07 14.36 dms
Station Ellipsoid Factor 0.999833
Station Combined Factor 0.999734

| 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) |
|----------------------------|--------------------------------|--------------------|------------|----------------------|--------------------------|-------------------|--------------------|
| 234831 1722.18 | 104.954 | 1 | 76/2 | 0.999736 | 139 16 29.49 | 5.3 | 0.00 |
| 58545 1722.22 | 182.402 | 1 | 44/2 | 0.999732 | 237 32 56.23 | 3.3 | 0.00 |
| 145755 1722.13 | 363.058 | 1 | 25/1 | 0.999733 | 326 54 20.28 | 2.2 | -0.01 |
| 24406 1722.4 | 368.529 | 1 | 32/2 | 0.999732 | 23 42 53.47 | 2.6 | -0.01 |
| 10603 1722.14 | 370.658 | 1 | 27/1 | 0.999732 | 338 36 42.66 | 2.3 | -0.01 |
| 81737 1722.21 | 393.659 | 1 | 28/1 | 0.999735 | 170 15 50.11 | 2.3 | 0.01 |

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

Component Magnitude Std Dev
Meridian Defl,XI(+N) 2.6 s 2 s
Prime Vert Defl,ETA(+E) 6.8 s 2 s
Geoid_Ellip Separation -16.06 m 1 m

MARKER TYPE Updated: 2012-05-28
ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
FLUSH W/GRD, LANDSCAPED.

COORDINATE HISTORY

MARKER LOCATION

Updated: 2006-06-19

Originating Project 70107 70107
Published 70-12-23 70-12-23

ON SE CORNER OF 46 ST AND 23 AVE NW; 3.0 M E OF BACK OF SEP.W.; 0.7 M S OF BOW;
3.6 M SE OF CB.

Revising Project NAD83 21002
Published 94-05-24 01-03-06
Revising Project
Published
Revising Project
Published

NON COORDINATE REVISIONS

1970-12-23 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 | 2012-04-25 | 2012-05-28 |
| MARKER REPORTED AS CAP RUSTED AND EFFACED | 2007-10-12 | 2007-11-28 |
| MARKER REPORTED IN GOOD CONDITION | 2005-07-14 | 2006-06-19 |
| MARKER REPORTED IN GOOD CONDITION | 1989-02-06 | 1990-04-30 |

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56584 8 69

01-03-06

0.026 m REVISED ELEVATION-BETTER INTEGRATION

HISTORY 56584 8 69