

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 59 51.97725 dms
Longitude 114 05 00.01625 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 69-03
Date Printed 2025-08-03
Last Updated 2019-03-25

ASCM 46300
Tablet Markings 2017.23
Mapsheet Name CALGARY F
Mapsheet Number 5649 - 004

Vert Datum CVD28 Updated: 2001-02-07
Elevation 1075.457 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 17-03-29

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2007-06-20

Scale Factor 0.999900 At Ref Mer 114

Northing 5651275.923 m
Easting -5849.818 m
Convergence -0 03 53.15 dms
Station Ellipsoid Factor 0.999834
Station Combined Factor 0.999734

| ASCM Tablet To Markings | Horizontal Distance (m) | Std Dev (cm) | PPM/Order | Grid/Grnd Factor | Grid Bearing (dms) | Std Dev (s) | T-t Corr (s) |
|-------------------------|-------------------------|--------------|-----------|------------------|--------------------|-------------|--------------|
| 260315 649-4.240 | 112.531 | 1 | 71/2 | 0.999731 | 87 40 35.31 | 4.6 | 0.00 |
| 950 649-4.241 | 189.338 | 1 | 63/2 | 0.999737 | 148 16 57.65 | 5.0 | 0.00 |
| 114389 2017.35 | 209.329 | 1 | 48/2 | 0.999734 | 90 02 11.09 | 3.0 | 0.00 |
| 122366 2017.16 | 243.170 | 1 | 45/2 | 0.999734 | 0 54 50.47 | 3.2 | 0.00 |
| 199638 649-4.238 | 297.672 | 1 | 47/2 | 0.999736 | 61 23 40.82 | 4.0 | 0.00 |
| 148650 2017.22 | 343.685 | 1 | 41/2 | 0.999735 | 275 30 16.90 | 3.1 | 0.00 |

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1970-06-09

Meridian Defl,XI(+N) 3.3 s 2 s
Prime Vert Defl,ETA(+E) 6.2 s 2 s
Geoid_Ellip Separation -16.10 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

MARKER LOCATION

Updated: 1970-06-09

Originating Project 69102 69102
Published 70-06-09 70-06-09

ELBOW DR AND 61 AVE; W/S (BY CHURCH);
1' E OF W P/L OF ELBOW DR; 20' S OF N P/L OF 61 AVE PROD W.

Revising Project NAD83 98017
Published 94-05-24 01-02-07
Revising Project 98014
Published 99-08-16
Revising Project
Published

NON COORDINATE REVISIONS

1970-06-09 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
MARKER REPORTED IN GOOD CONDITION.

2017-03-29 2019-03-25
1990-03-29 1990-07-17

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56494 4 73

01-02-07 -0.011 m ELEVATION REVISED AND REINTEGRATED
99-08-16 0.027 m ELEVATION REVISED AND REINTEGRATED

HISTORY 56494 4 73