

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 55 38.53761 dms
Longitude 114 00 54.37705 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 79-03

ASCM 55616

Tablet Markings 643-0.242

Date Printed 2025-08-03
Last Updated 2021-11-15

Mapsheet Name CALGARY F
Mapsheet Number 5643 - 000

Vert Datum CVD28 Updated: 1999-08-16
Elevation 1035.594 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 89-03-31

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2021-11-15

Scale Factor 0.999900 At Ref Mer 114

Northing 5643441.692 m
Easting -1061.866 m
Convergence -0 00 42.22 dms
Station Ellipsoid Factor 0.999840
Station Combined Factor 0.999740

| ASCM Tablet To Markings | Horizontal Distance (m) (cm) | Std Dev | PPM/ Order | Grid/ Grnd Factor | Grid Bearing (dms) | Std Dev (s) | T-t Corr (s) |
|----------------------------|---------------------------------|---------|------------|----------------------|--------------------------|-------------------|--------------------|
| 178020 643-0.236 | 241.674 | 1 | 54/2 | 0.999740 | 338 29 21.38 | 4.0 | 0.00 |
| 47431 643-0.237 | 282.127 | 1 | 50/2 | 0.999738 | 321 11 22.99 | 4.0 | 0.00 |
| 95398 640-0.103 | 314.782 | 1 | 41/2 | 0.999743 | 153 50 59.85 | 3.4 | 0.00 |
| 74070 643-0.257 | 335.237 | 1 | 57/2 | 0.999742 | 92 24 20.55 | 4.8 | 0.00 |
| 12575 643-0.234 | 389.772 | 1 | 36/2 | 0.999741 | 14 06 24.80 | 3.1 | 0.00 |

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

| Component | Magnitude | Std Dev |
|--------------------------|-----------|---------|
| Meridian Defl, XI(+N) | 4.0 s | 2 s |
| Prime Vert Defl, ETA(+E) | 5.1 s | 2 s |
| Geoid_Ellip Separation | -16.09 m | 1 m |

MARKER TYPE

Updated: 1980-05-23

ASC CAP SET IN CONCRETE SIDEWALK

COORDINATE HISTORY HORZ VERT

| | | |
|---------------------|----------|----------|
| Originating Project | 79032 | 79032 |
| Published | 83-08-18 | 83-08-18 |

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

MARKER LOCATION

Updated: 1980-05-23

SW CORNER DEERMONT RD AND DEER RIDGE DR SE;
0.28M E OF B.O.W. W; 2.40M S OF B.O.R.C. S PRODUCED E;
8.80M NW OF FIRE HYDRANT. .

NON COORDINATE REVISIONS

| | |
|------------|---|
| 1980-05-23 | 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

1989-03-31 1990-05-01

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56434 0 242

VERT

99-08-16

0.012 m ELEVATION REVISED AND REINTEGRATED

HISTORY 643+00.242 56434 0 242