

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 05 28.58954 dms
Longitude 113 57 44.74768 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 78-03
Date Printed 2025-08-03
Last Updated 2020-01-09

ASCM 60673
Tablet Markings 661+4.52
Mapsheet Name CALGARY B
Mapsheet Number 5661 + 004

Vert Datum CVD28 Updated: 1999-10-21
Elevation 1097.540 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 94-02-22

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2020-01-09

Scale Factor 0.999900 At Ref Mer 114

Northing 5661674.422 m
Easting 2631.892 m
Convergence 0 01 45.25 dms
Station Ellipsoid Factor 0.999831
Station Combined Factor 0.999731

| 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) |
|-------------------------|-------------------------|--------------|-----------|------------------|--------------------|-------------|--------------|
| 9613 661+4.51 | 165.723 | 1 | 60/2 | 0.999731 | 186 25 53.96 | 3.8 | 0.00 |
| 79152 661+4.63 | 244.901 | 1 | 45/2 | 0.999732 | 29 15 34.09 | 3.7 | 0.00 |
| 98434 661+4.55 | 261.329 | 1 | 46/2 | 0.999730 | 298 12 43.87 | 2.9 | 0.00 |
| 232223 661+4.166 | 264.445 | 1 | 45/2 | 0.999730 | 89 20 29.69 | 3.0 | 0.00 |
| 103739 661+4.65 | 354.886 | 1 | 37/2 | 0.999730 | 6 00 23.02 | 3.2 | 0.00 |
| 15388 661+4.48 | 360.482 | 1 | 33/2 | 0.999732 | 182 50 39.46 | 2.8 | 0.00 |

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

Component Magnitude Std Dev
Meridian Defl,XI(+N) 2.7 s 2 s
Prime Vert Defl,ETA(+E) 4.4 s 2 s
Geoid_Ellip Separation -16.45 m 1 m

MARKER TYPE

Updated: 1978-12-18

ASC CAP SET IN CONCRETE SIDEWALK

COORDINATE HISTORY

HORZ VERT

Originating Project 78006 78006
Published 83-07-27 83-07-27

Revising Project NAD83 98015
Published 94-05-24 99-10-21
Revising Project
Published
Revising Project
Published

MARKER LOCATION

Updated: 1995-05-11

ON SOUTH EAST CORNER OF 49 STREET AT 44 AVENUE NE; 0.1 M WEST OF BACK OF WALK
PRODUCED NORTH; 4.9 M SOUTH OF BACK OF SEPARATE WALK PRODUCED WEST; 25.5 M
NORTH OF FIRE HYDRANT.

NON COORDINATE REVISIONS

1978-12-18 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 1994-02-22 1995-05-11
MARKER REPORTED IN GOOD CONDITION. 1988-10-19 1988-11-10

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56613 4 52

VERT

99-10-21

0.024 m REVISED ELEVATION-BETTER INTEGRATION

HISTORY 661+04.52 56613 4 52