

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 04 44.67326 dms
Longitude 114 10 02.70563 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 70-03
Date Printed 2025-08-03
Last Updated 2022-03-03

ASCM 64691
Tablet Markings 1622.7
Mapsheet Name CALGARY G
Mapsheet Number 5658 - 008

Vert Datum CVD28 Updated: 2001-03-06
Elevation 1069.550 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 05-07-20

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2022-03-03

Scale Factor 0.999900 At Ref Mer 114

Northing 5660330.087 m
Easting -11731.206 m
Convergence -0 07 48.91 dms
Station Ellipsoid Factor 0.999835
Station Combined Factor 0.999737

| 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) |
|----------------------------|---------------------------------|---------------------|------------|----------------------|--------------------------|-------------------|--------------------|
| 264820 B35 | 158.061 | 1 | 57/2 | 0.999732 | 20 14 22.36 | 4.9 | 0.00 |
| 196642 1622.6 | 165.387 | 1 | 48/2 | 0.999736 | 134 01 51.97 | 3.8 | 0.00 |
| 255109 658-8.113 | 302.672 | 1 | 43/2 | 0.999737 | 300 05 33.00 | 3.5 | 0.00 |
| 57166 B34 | 303.969 | 1 | 33/1 | 0.999739 | 235 12 23.03 | 2.9 | 0.01 |
| 193037 658-8.112 | 341.257 | 1 | 41/2 | 0.999737 | 335 40 06.75 | 3.1 | -0.01 |
| 294272 B33 | 358.281 | 1 | 31/1 | 0.999739 | 275 48 09.79 | 2.5 | 0.00 |

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) 6.9 s 2 s
Geoid_Ellip Separation -16.04 m 1 m

MARKER TYPE

Updated: 1970-12-23

ASC CAP SET IN CONCRETE SIDEWALK

COORDINATE HISTORY

Originating Project 70107 70107
Published 70-12-23 70-12-23
Revising Project NAD83 21002
Published 94-05-24 01-03-06
Revising Project
Published
Revising Project
Published

MARKER LOCATION

Updated: 2006-06-23

IN SIDEWALK ON THE SE CORNER OF 19 AVE AT 52 ST NW; 3.5 M S OF FOW PROD W; 2.1 M
E OF FOW PROD N; 0.65 M SE OF FOW ON CURVE.

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
MARKER REPORTED IN GOOD CONDITION

2005-07-20 2006-06-23
1989-02-06 1990-04-30

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56584 8 42

VERT

01-03-06

0.020 m REVISED ELEVATION-BETTER INTEGRATION

HISTORY 56584 8 42