

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 02 17.20384 dms
Longitude 113 57 00.42806 dms
Horz Class INTEGRATED , ORDER 1

Marker Installed 73-03

ASCM 29322

Tablet Markings 655+4.165

Date Printed 2025-08-03
Last Updated 2016-04-08

Mapsheet Name CALGARY B
Mapsheet Number 5655 + 004

Vert Datum CVD28 Updated: 1999-08-16
Elevation 1058.644 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 93-11-30

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2016-04-08

Scale Factor 0.999900 At Ref Mer 114

Northing 5655761.202 m
Easting 3498.318 m
Convergence 0 02 19.63 dms
Station Ellipsoid Factor 0.999837
Station Combined Factor 0.999737

| 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) |
|-------------------------|-------------------------|--------------|-----------|------------------|--------------------|-------------|--------------|
| 372383 655+4.332 | 329.145 | 1 | 27/1 | 0.999735 | 40 32 18.53 | 2.3 | 0.00 |
| 240945 655+4.160 | 336.389 | 1 | 27/1 | 0.999736 | 346 24 56.93 | 2.1 | 0.00 |
| 243147 655+4.167 | 409.858 | 1 | 20/1 | 0.999737 | 287 59 34.25 | 1.7 | 0.00 |
| 153346 655+4.187 | 424.539 | 1 | 19/1 | 0.999738 | 230 02 23.97 | 1.7 | 0.00 |
| 240861 655+4.186 | 429.072 | 1 | 19/1 | 0.999739 | 245 33 51.89 | 1.7 | 0.00 |
| 132829 655+4.162 | 491.284 | 1 | 18/1 | 0.999736 | 25 23 54.80 | 1.5 | 0.00 |

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1993-12-31

Meridian Defl,XI(+N) 2.9 s 2 s
Prime Vert Defl,ETA(+E) 4.0 s 2 s
Geoid_Ellip Separation -16.39 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
FLUSH WITH GROUND

COORDINATE HISTORY

Originating Project 73120 73120
Published 83-03-08 83-03-08

Revising Project NAD83 98014
Published 94-05-24 99-08-16
Revising Project 75120
Published 83-08-10
Revising Project
Published

MARKER LOCATION

Updated: 1974-03-01

LOCATED AT THE INTERSECTION OF 17 AVENUE AND C.N.R. RIGHT OF WAY;
15.85 M NORTH OF NORTH BACK OF WALK PRODUCED EAST; 0.305 M WEST OF
PROPERTY LINE OF C.N.R. RIGHT OF WAY (FROST FENCE).

NON COORDINATE REVISIONS

1974-03-01 FIRST MARKER LOCATION
DESCRIPTION ENTERED
2003-03-12 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

| MARKER CONDITION COMMENTS | Inspected | Updated |
|-----------------------------------|------------|------------|
| MARKER REPORTED IN GOOD CONDITION | 1993-11-30 | 1993-12-31 |
| MARKER REPORTED IN GOOD CONDITION | 1993-07-23 | 1994-01-18 |
| MARKER REPORTED IN GOOD CONDITION | 1989-04-18 | 1990-05-02 |

COORDINATE HISTORY COMMENTS

HORZ 94-05-24 ALBERTA NAD83 READJUSTMENT
83-08-10 54 39 15 0.085 m MOVEMENT DETECTED

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56553 4 165

VERT

99-08-16 0.012 m ELEVATION REVISED AND REINTEGRATED

HISTORY 655+04.165 56553 4 165