

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 02 17.20915 dms
Longitude 113 54 04.22841 dms
Horz Class INTEGRATED , ORDER 1

Marker Installed 74-03

ASCM 28894

Tablet Markings 655+8.6

Date Printed 2025-08-03
Last Updated 2023-11-01

Mapsheet Name CALGARY B
Mapsheet Number 5655 + 008

Vert Datum CVD28 Updated: 1999-08-16
Elevation 1059.754 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition DESTROYED 23-10-16

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2017-03-21

Scale Factor 0.999900 At Ref Mer 114

Northing 5655764.830 m
Easting 6930.937 m
Convergence 0 04 36.64 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) |
|-------------------------|-------------------------|--------------|-----------|------------------|--------------------|-------------|--------------|
| 812982 812982 | 1259.208 | 1 | 13/1 | 0.999736 | 322 56 26.33 | 1.1 | 0.02 |
| 618090 618090 | 1651.238 | 1 | 10/1 | 0.999738 | 187 16 25.29 | 0.8 | -0.03 |
| 994988 994988 | 1809.868 | 1 | 8/1 | 0.999738 | 204 45 37.64 | 0.7 | -0.03 |
| 139592 652+8.7 | 1869.510 | 1 | 12/1 | 0.999738 | 151 34 33.86 | 0.9 | -0.03 |
| 957944 957944 | 1903.839 | 1 | 9/1 | 0.999736 | 326 38 48.81 | 0.8 | 0.03 |
| 110841 655+8.99 | 2051.848 | 1 | 9/1 | 0.999737 | 275 04 09.70 | 0.7 | 0.00 |

GEOID DATA (GSD95) Updated: 17-03-20

Component Magnitude Std Dev

Meridian Defl,XI(+N) 3.0 s 2 s
Prime Vert Defl,ETA(+E) 3.5 s 2 s
Geoid_Ellip Separation -16.44 m 1 m

MARKER TYPE

Updated: 1990-07-10

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
1.0 CM AGL,20 CM S OF GP

COORDINATE HISTORY

Originating Project 75117 75117
Published 83-07-26 83-07-26

Revising Project NAD83 98014
Published 94-05-24 99-08-16
Revising Project 92051
Published 93-05-06
Revising Project
Published

MARKER LOCATION

Updated: 2007-06-22

LOCATE ON N-S OF 17 AVE (1A HWY) AND E OF 84 ST SE IN SW 1/4 OF 18-24-28-W4M; 0.9 M S OF N/BDY OF HWY (BARBWIRE FENCE); 68 M W OF N-S 1/4 LINE FENCE LINE.

NON COORDINATE REVISIONS

1975-10-20 FIRST MARKER LOCATION
DESCRIPTION ENTERED
2017-03-20 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED
2003-03-12 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

| MARKER CONDITION COMMENTS | Inspected | Updated |
|-----------------------------------|------------|------------|
| MARKER REPORTED DESTROYED | 2023-10-16 | 2023-11-01 |
| MARKER REPORTED IN GOOD CONDITION | 2006-11-28 | 2007-06-22 |
| MARKER REPORTED IN GOOD CONDITION | 1992-06-03 | 1992-07-08 |
| MARKER REPORTED IN GOOD CONDITION | 1989-11-15 | 1990-07-10 |

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56553 8 6

VERT

99-08-16 0.021 m ELEVATION REVISED AND REINTEGRATED
93-05-06 -0.167 m PREVIOUS TRIG ELEV REPLACED BY SPIRIT LEVEL

HISTORY 655+08.6 56553 8 6