

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 05 45.46504 dms
Longitude 114 11 49.40761 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 66-03

ASCM 17152

Tablet Markings B44

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

Mapsheet Name CALGARY G
Mapsheet Number 5661 - 012

Vert Datum CVD28 Updated: 2000-06-15
Elevation 1071.678 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 19-06-26

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2020-01-09

Scale Factor 0.999900 At Ref Mer 114

Northing 5662213.670 m
Easting -13803.051 m
Convergence -0 09 12.06 dms
Station Ellipsoid Factor 0.999835
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)
240101 661-12.68	152.967	1	78/2	0.999735	269 40 17.11	2.9	0.00
31773 661-12.69	180.278	1	83/2	0.999734	236 02 00.34	6.4	0.00
108837 661-12.63	195.771	1	56/2	0.999739	135 12 37.13	3.8	0.00
173765 661-12.67	219.077	1	55/2	0.999737	156 49 40.17	4.7	0.01
100149 B45	357.016	1	39/2	0.999737	267 05 09.49	1.8	0.00
229450 B43	411.507	1	49/2	0.999739	92 39 40.68	2.9	0.00

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

Component Magnitude Std Dev

Meridian Defl,XI(+N) 2.5 s 2 s
Prime Vert Defl,ETA(+E) 6.9 s 2 s
Geoid_Ellip Separation -15.99 m 1 m

MARKER TYPE

Updated: 2021-11-15

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
25 CM AGL, 0.3 M E OF GP.

COORDINATE HISTORY

Originating Project 72106 72106
Published 83-04-29 83-04-29

Revising Project NAD83 98016
Published 94-05-24 00-06-15
Revising Project
Published
Revising Project
Published

MARKER LOCATION

Updated: 2021-11-15

ON E/S OF 69 ST. AT 48 AVE. NW; 1.4 M E OF B.O.W. PROD. N; 2.8 M N
OF B.O.W. N/S PROD. E; 2.3 M NE OF WOODEN POW.P.; 0.30 M W OF GP.;
MARKER IS IN A DEPRESSED AREA NEAR CHAINLINK FENCE ON BDY OF RAILWAY.

NOTE: CITY OF CALGARY REPORTS GP WAS CUT-OFF DUE TO TRIPPING HAZARD. GP
HAS BEEN INTEGRATED INTO NEARBY CHAINLINK FENCE.

NON COORDINATE REVISIONS

1973-06-19 FIRST MARKER LOCATION
DESCRIPTION ENTERED
2003-03-12 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED AS DESTROYED	2020-02-03	2020-07-28
MARKER REPORTED IN GOOD CONDITION	2019-06-26	2021-11-15
MARKER REPORTED IN GOOD CONDITION	1993-09-28	1994-02-03
MARKER REPORTED IN GOOD CONDITION.	1988-10-12	1989-05-08

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56614 12 25

VERT

00-06-15

0.013 m REVISED ELEVATION-BETTER INTEGRATION

HISTORY 56614 12 25