

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 51 11 07.00521 dms  
Longitude 114 09 52.38233 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 74-03

Date Printed 2025-08-03  
Last Updated 2024-09-30

ASCM 53249

Tablet Markings 670-8.5

Mapsheet Name CALGARY H  
Mapsheet Number 5670 - 008

Vert Datum CVD28 Updated: 2000-06-15  
Elevation 1168.344 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition DESTROYED 24-08-02

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2020-07-28

Scale Factor 0.999900 At Ref Mer 114

Northing 5672143.647 m  
Easting -11503.854 m  
Convergence -0 07 41.57 dms  
Station Ellipsoid Factor 0.999820  
Station Combined Factor 0.999721

ASCM Tablet To Markings	Horizontal Distance (m)(cm)	Std Dev (s)	PPM/ Order	Grid/ Factor	Grnd	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
945279 945279	733.271	1	25/1	0.999723	107 21	18.95	2.0	0.01
72330 670-8.6	903.739	1	17/1	0.999723	359 59	04.52	1.4	-0.03
583401 583401	1321.003	1	16/1	0.999717	217 56	03.27	1.3	0.03
534669 534669	1399.480	1	15/1	0.999716	227 01	29.27	1.3	0.03
683524 683524	1570.537	1	13/1	0.999715	228 31	31.04	1.1	0.03
111880 670-12.26	1787.427	1	12/1	0.999716	245 45	07.74	1.0	0.02

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1990-05-24

Meridian Defl,XI(+N) 1.9 s 2 s  
Prime Vert Defl,ETA(+E) 7.0 s 2 s  
Geoid\_Ellip Separation -16.16 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG  
1 G.P.

COORDINATE HISTORY

MARKER LOCATION

Updated: 1975-10-07

Originating Project 75118 75118  
Published 83-09-15 83-09-15

ON W/S 53 ST N OF 144 AVE, NW ; 3.0' E OF W P/L 53 ST ; 727.0'+/- N  
OF N P/L 144 AVE.; MONUMENT IS 0.30 WEST OF G.P.

Revising Project NAD83 98016  
Published 94-05-24 00-06-15  
Revising Project 91023  
Published 93-04-22  
Revising Project  
Published

NOTE: MARKER PREV RPT DESTROYED BY CITY OF CALGARY, NOW APPEARS TO  
BE OK.

NON COORDINATE REVISIONS

1975-10-07 FIRST MARKER LOCATION  
DESCRIPTION ENTERED  
2003-03-12 "MAPSHEET NAME" AND/OR  
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED AS DESTROYED  
MARKER REPORTED IN GOOD CONDITION  
MARKER REPORTED IN GOOD CONDITION.

2024-08-02 2024-09-30  
1992-03-02 1992-05-15  
1990-03-06 1990-05-24

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56704 8 5

00-06-15 0.049 m REVISED ELEVATION-BETTER INTEGRATION  
93-04-22 0.295 m PREVIOUS TRIG ELEV REPLACED BY SPIRIT LEVEL

HISTORY 670-08.5 56704 8 5