

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 59 29.06019 dms  
Longitude 114 07 05.40527 dms  
Horz Class INTEGRATED , ORDER 3

Marker Installed 72-03  
Date Printed 2025-08-03  
Last Updated 2003-03-12

ASCM 69674  
Tablet Markings 649-8.43  
Mapsheet Name CALGARY F  
Mapsheet Number 5649 - 008

Vert Datum CVD28 Updated: 2001-02-07  
Elevation 1090.413 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 90-08-22

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 1999-10-02

Scale Factor 0.999900 At Ref Mer 114

Northing 5650571.146 m  
Easting -8295.830 m  
Convergence -0 05 30.56 dms  
Station Ellipsoid Factor 0.999832  
Station Combined Factor 0.999733

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
225144 649-8.42	275.188	1 51/2	0.999733	259 29 48.31	3.8	0.00
128041 190170	340.230	1 41/2	0.999734	2 43 45.77	2.2	-0.01
285148 649-8.45	347.081	1 46/2	0.999733	193 18 52.83	2.6	0.01
186049 649-8.83	383.767	1 42/2	0.999732	341 53 10.43	3.2	-0.01
105262 D111	384.906	1 44/2	0.999733	134 35 23.29	3.3	0.01
203877 649-8.74	410.174	1 37/2	0.999733	27 31 51.19	2.6	-0.01

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1973-01-18

Meridian Defl,XI(+N) 3.4 s 2 s  
Prime Vert Defl,ETA(+E) 6.7 s 2 s  
Geoid\_Ellip Separation -16.01 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

MARKER LOCATION

Updated: 1991-03-15

Originating Project 72112 72112  
Published 84-01-12 84-01-12

INTERSECTION OF CROWCHILD TRAIL AND LINDEN DRIVE N.W. CORNER;  
2.1M WEST OF WEST B.O.W.; 1.90M NORTH OF NORTH B.O.R.C. PROD EAST;  
3.30M N.E. OF CATCH BASIN.

Revising Project NAD83 98017  
Published 94-05-24 01-02-07  
Revising Project  
Published  
Revising Project  
Published

NON COORDINATE REVISIONS

1973-01-18 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

1990-08-22 1991-03-15

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56494 8 43

01-02-07

0.024 m ELEVATION REVISED AND REINTEGRATED

HISTORY 649-08.43 56494 8 43