

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

Horz Datum NAD83      Updated: 1994-05-24  
Latitude    50 57 15.30730 dms  
Longitude   114 07 03.73548 dms  
Horz Class INTEGRATED      , ORDER 2

Marker Installed    77-02

ASCM      48041

Tablet Markings    646-8.133

Date Printed      2025-08-03  
Last Updated      2007-06-20

Mapsheet Name    CALGARY F  
Mapsheet Number   5646 - 008

Vert Datum CVD28      Updated: 2001-02-07  
Elevation    1109.935 m  
Vert Class INTEGRATED      , SPIRIT LEVELS

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

Marker Condition    GOOD      91-12-04

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3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2007-06-20

Scale Factor    0.999900    At Ref Mer 114

Northing    5646438.257 m  
Easting      -8269.863 m  
Convergence   -0 05 29.09 dms  
Station Ellipsoid Factor 0.999829  
Station Combined Factor   0.999729

ASCM Tablet To Markings	Horizontal Distance	Std Dev (m) (cm)	PPM/ Order	Grid/ Factor	Grnd	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
195354 646-8.136	164.048	1	61/2	0.999729	91 18 44.26	4.1	0.00	
113621 646-8.142	219.550	1	50/2	0.999729	266 38 56.20	2.9	0.00	
111468 646-4.287	245.895	1	45/2	0.999729	90 00 59.57	3.2	0.00	
104687 646-4.331	306.319	1	46/2	0.999730	107 25 02.11	3.6	0.00	
236869 643-8.38	358.046	1	36/2	0.999731	151 18 02.45	3.0	0.01	
147199 646-8.144	359.734	1	39/2	0.999730	321 53 11.80	3.0	-0.01	

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

Component      Magnitude    Std Dev

MARKER TYPE

Updated: 1988-09-09

Meridian Defl,XI(+N)      3.9    s      2    s  
Prime Vert Defl,ETA(+E)    6.8    s      2    s  
Geoid\_Ellip Separation -15.94 m      1    m

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

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COORDINATE HISTORY      HORZ      VERT

MARKER LOCATION

Updated: 1988-09-09

Originating Project      77030      77030  
Published      78-01-17    78-01-17

LOCATED ON THE NORTH EAST CORNER OF BRAESIDE DRIVE AND 24 STREET; AT THE  
INTERSECTION OF BACK OF WALK ON 24 STREET AND FACE OF WALK OF BRAESIDE DRIVE.

Revising Project      NAD83      98017  
Published      94-05-24    01-02-07  
Revising Project      98015  
Published      99-10-21  
Revising Project  
Published

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NON COORDINATE REVISIONS

1978-01-31    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	1991-12-04	1992-01-28
MARKER REPORTED IN GOOD CONDITION	1990-05-03	1991-03-13
MARKER REPORTED IN GOOD CONDITION.	1988-07-30	1988-09-09
MARKER REPORTED IN GOOD CONDITION	1988-04-28	1988-05-26

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COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

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HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56464    8    133

01-02-07      -0.009 m    ELEVATION REVISED AND REINTEGRATED  
99-10-21      0.024 m    REVISED ELEVATION-BETTER INTEGRATION

HISTORY 646-08.133      56464    8    133