

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 58 32.58502 dms  
Longitude 114 07 47.49340 dms  
Horz Class INTEGRATED , ORDER 3

Marker Installed 76-03

ASCM 54429

Tablet Markings 646-8.123

Date Printed 2025-08-03  
Last Updated 2005-08-02

Mapsheet Name CALGARY F  
Mapsheet Number 5646 - 008

Vert Datum CVD28 Updated: 2001-02-07  
Elevation 1090.865 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 90-05-01

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3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2005-08-02

Scale Factor 0.999900 At Ref Mer 114

Northing 5648827.494 m  
Easting -9119.663 m  
Convergence -0 06 03.19 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)
74666 646-8.54	154.904	1	45/1 0.999734	353 07 13.46	3.4	0.00
157545 646-8.114	184.186	1	65/2 0.999728	155 01 41.53	5.4	0.00
214916 646-8.101	275.997	1	33/1 0.999735	279 56 30.08	2.7	0.00
130633 646-8.98	337.787	1	30/1 0.999730	142 52 11.03	2.5	0.01
138479 646-8.97	354.249	1	25/1 0.999733	127 51 07.29	2.0	0.00
261818 646-8.234	460.368	1	26/1 0.999733	287 27 17.63	2.3	0.00

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

Component	Magnitude	Std Dev
Meridian Defl, XI(+N)	3.7 s	2 s
Prime Vert Defl, ETA(+E)	6.9 s	2 s
Geoid_Ellip Separation	-15.95 m	1 m

MARKER TYPE

Updated: 1972-08-09

IRON BAR 1.5 M LONG

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COORDINATE HISTORY

HORZ

VERT

Originating Project	72115	72115
Published	83-03-19	83-03-19
Revising Project	NAD83	98017
Published	94-05-24	01-02-07
Revising Project		
Published		
Revising Project		
Published		

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MARKER LOCATION

Updated: 1991-03-08

NORTH SIDE 90 AVENUE S.W. AND WEST OF HOUSE 231 OAKFERN WAY S.W. ;  
3.0M NORTH OF B.O.C. N/S ON CURVE ;  
0.80M WEST OF WEST P.L. OF HOUSE #231 OAKFERNWAY PROD. NORTH ;  
3.80M SOUTH OF WOODEN FENCE.

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NON COORDINATE REVISIONS

1972-08-09	FIRST MARKER LOCATION DESCRIPTION ENTERED
2003-03-12	"MAPSHEET NAME" AND/OR "MAPSHEET NO" CHANGED

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MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED IN GOOD CONDITION

1990-05-01 1991-03-08

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COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

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HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56464 8 123

VERT

01-02-07

0.021 m ELEVATION REVISED AND REINTEGRATED

HISTORY 646-08.123 56464 8 123