

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

Horz Datum NAD83      Updated: 1994-05-24  
Latitude    51 06 26.03783 dms  
Longitude   114 00 36.11806 dms  
Horz Class INTEGRATED    , ORDER 3

Marker Installed   68-03  
  
Date Printed       2025-08-03  
Last Updated      2007-06-20

ASCM            49742  
  
Tablet Markings   DOT702403  
  
Mapsheet Name    CALGARY G  
Mapsheet Number   5661 - 000

Vert Datum CVD28      Updated: 1981-07-01  
Elevation   1086.118 m  
Vert Class INTEGRATED    , CONSULT AGENCY

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

Marker Condition   GOOD            94-11-04

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3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2007-06-20

Scale Factor   0.999900    At Ref Mer 114

Northing   5663448.935 m  
Easting     -702.584 m  
Convergence   -0 00 28.11 dms  
Station Ellipsoid Factor 0.999832  
Station Combined Factor   0.999732

ASCM Tablet To Markings	Horizontal Distance (m)(cm)	Std Dev Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
295295 DOT702315	325.940	1 120/3	0.999733	35 24 16.90	9.8	0.00
233130 DOT702316	425.329	1 92/3	0.999734	308 44 48.49	7.2	0.00
139584 DOT702321	429.175	1 70/2	0.999733	180 02 20.38	3.6	0.00
239525 240250	683.220	1 54/2	0.999733	55 50 19.79	4.5	0.00
79533 661+04.46	842.304	1 44/2	0.999732	63 30 32.77	3.6	0.00
166710 DOT702334	859.669	1 44/2	0.999732	325 30 06.62	3.4	0.00

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GEOID DATA (GSD95)      Updated: 01-03-06

Component                    Magnitude    Std Dev

Meridian Defl,XI(+N)       2.5    s       2    s  
Prime Vert Defl,ETA(+E)    5.0    s       2    s  
Geoid\_Ellip Separation -16.39 m       1    m

MARKER TYPE

Updated: 1996-03-01

BRASS CAP ON A 20 CM X 457 CM REINFORCED CONCRETE CYLINDER  
MANHOLE & COVER, 0.6M N & 0.6M S OF GP'S

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COORDINATE HISTORY

HORZ

VERT

Originating Project       80042       80042  
Published                81-07-01   81-07-01

Revising Project           NAD83  
Published                94-05-24  
Revising Project  
Published  
Revising Project  
Published

MARKER LOCATION

Updated: 1996-03-01

COPIED FROM TRANSPORT CANADA;

AT CALGARY INTERNATIONAL AIRPORT; IN NE 1/4 1-25-1-5; 229 M. E OF N-S 1/4 LINE;  
376 M. S OF N. SEC. LINE; 52.2 M. E OF S ANEMOMETER TOWER; 53.8 M. E OF N.  
TOWER; 353 M. N OF C/L OF RUNWAY 07-25; 0.6 M. S OF MP.

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NON COORDINATE REVISIONS

1970-11-02    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.

1994-11-04   1995-01-09

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COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

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HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56614    0    66

VERT

HISTORY DOT 702403       56614    0    66