

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

Horz Datum NAD83      Updated: 1994-05-24  
Latitude    51 03 27.70785 dms  
Longitude   114 00 26.17898 dms  
Horz Class INTEGRATED    , ORDER 3

Marker Installed    69-03  
Date Printed        2025-08-03  
Last Updated        2010-07-30

ASCM            57505  
Tablet Markings    2321.16  
Mapsheet Name      CALGARY G  
Mapsheet Number    5655 - 000

Vert Datum CVD28      Updated: 1999-10-21  
Elevation    1080.721 m  
Vert Class INTEGRATED    , SPIRIT LEVELS

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

Marker Condition    GOOD            10-03-18

-----  
3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated:

Scale Factor    0.999900    At Ref Mer 114

Northing    5657938.579 m  
Easting      -509.789 m  
Convergence   -0 00 20.36 dms  
Station Ellipsoid Factor 0.999833  
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)
241877 G15	163.357	1 116/3	0.999735	84 48 50.13	4.7	0.00
36319 G13	256.761	1 78/2	0.999735	39 17 58.27	6.6	0.00
157032 G17	268.857	1 108/3	0.999735	142 37 16.42	8.5	0.00
277632 2321.14	282.097	1 89/3	0.999734	358 11 10.63	7.3	0.00
161877 2321.15	282.114	1 67/2	0.999732	323 24 27.67	4.2	0.00
164095 G17A	284.929	1 70/2	0.999734	145 07 48.06	5.8	0.00

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

Component                    Magnitude    Std Dev

Meridian Defl,XI(+N)        2.7    s        2    s  
Prime Vert Defl,ETA(+E)    4.8    s        2    s  
Geoid\_Ellip Separation -16.33 m    1    m

MARKER TYPE

Updated: 1970-04-01

ASC BRASS TABLET SET IN CONCRETE SIDEWALK; FLUSH WITH GROUND

-----  
COORDINATE HISTORY                    HORZ            VERT

Originating Project            69105        69105  
Published            70-04-01    70-04-01

Revising Project            NAD83        98015  
Published            94-05-24    99-10-21  
Revising Project  
Published  
Revising Project  
Published

MARKER LOCATION

Updated: 1970-04-01

NORTH EAST CORNER OF MUNRO DRIVE AND MAUNSELL DRIVE NORTH EAST; 2.75 M  
NORTH EAST OF BACK OF WALK PRODUCED SOUTH EAST; 55.0 CM SOUTH OF BACK  
OF WALK PRODUCED EAST; 40.0 CM NORTH NORTH EAST OF FACE OF CURB O  
CURVE.

-----  
NON COORDINATE REVISIONS

1970-04-01    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, CAP PARTIALLY EFFACED.      2010-03-18    2010-07-30

-----  
COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

-----  
HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56554    0 172

VERT

99-10-21

0.040 m    REVISED ELEVATION-BETTER INTEGRATION

HISTORY                    56554    0 172