

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 05 19.18572 dms
Longitude 114 04 03.23963 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 71-03

ASCM 67116

Tablet Markings 661-04.120

Date Printed 2025-08-03
Last Updated 2020-01-09

Mapsheet Name CALGARY G
Mapsheet Number 5661 - 004

Vert Datum CVD28 Updated: 1999-10-21
Elevation 1075.937 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 14-08-08

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2020-01-09

Scale Factor 0.999900 At Ref Mer 114

Northing 5661385.347 m
Easting -4733.497 m
Convergence -0 03 09.27 dms
Station Ellipsoid Factor 0.999834
Station Combined Factor 0.999734

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev	PPM/ Order	Grid/ Grnd Factor
18507 661-04.130	291.193	1	76/2	0.999735
195727 661-04.101	296.199	1	57/2	0.999735
198010 661-04.122	349.279	1	46/2	0.999735
251694 661-04.102	358.363	1	50/2	0.999735
39461 661-04.128	393.223	1	69/2	0.999734
27151 661-04.132	425.339	1	42/2	0.999735

Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
1 21 26.49	4.1	0.00
274 11 32.54	4.1	0.00
87 14 22.33	3.3	0.00
305 16 54.39	4.1	0.00
35 46 05.89	5.5	0.00
350 06 13.66	3.6	-0.01

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

Component	Magnitude	Std Dev
Meridian Defl, XI(+N)	2.4 s	2 s
Prime Vert Defl, ETA(+E)	5.8 s	2 s
Geoid_Ellip Separation	-16.26 m	1 m

MARKER TYPE

Updated: 2014-09-30

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
FLUSH W/GRD.

COORDINATE HISTORY

	HORZ	VERT
Originating Project	71102	71102
Published	84-01-07	84-01-07
Revising Project	NAD83	98015
Published	94-05-24	99-10-21
Revising Project		
Published		
Revising Project		
Published		

MARKER LOCATION

Updated: 1994-01-19

ON S/S OF 40 AVE. AT 2 ST. NW; 1.3 M S OF B.O.W.; 1.2 M W OF
F.O.C. E/S PROD. S; 12.3 M W OF WOODEN POW.P..

NON COORDINATE REVISIONS

Date	Description
1972-06-25	FIRST MARKER LOCATION DESCRIPTION ENTERED
2003-03-12	"MAPSHEET NAME" AND/OR "MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected	Updated
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MARKER REPORTED IN GOOD CONDITION, TOP PAINTED.
MARKER REPORTED IN GOOD CONDITION
MARKER REPORTED IN GOOD CONDITION.

2014-08-08	2014-09-30
1993-07-21	1994-01-19
1988-11-02	1989-05-02

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56614 4 120

VERT

99-10-21

0.033 m REVISED ELEVATION-BETTER INTEGRATION

HISTORY 661-04 120