

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 59 05.81123 dms
Longitude 114 00 36.10862 dms
Horz Class INTEGRATED , ORDER 1

Marker Installed 72-03

Date Printed 2025-08-03
Last Updated 2017-03-21

ASCM 5157

Tablet Markings 649-0.100

Mapsheet Name CALGARY F
Mapsheet Number 5649 - 000

Vert Datum CVD28 Updated: 1999-08-16
Elevation 1024.354 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 16-10-06

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2017-03-21

Scale Factor 0.999900 At Ref Mer 114

Northing 5649846.173 m
Easting -704.252 m
Convergence -0 00 28.06 dms
Station Ellipsoid Factor 0.999842
Station Combined Factor 0.999742

ASCM Tablet To Markings	Horizontal Distance (m)(cm)	Std Dev (s)	PPM/ Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
455162 649-0.192	192.725	1	47/2	0.999742	184 57 42.73	3.3	0.00
22152 649-0.179	279.562	1	25/1	0.999741	85 58 29.15	2.2	0.00
189415 649-0.93	336.944	1	24/1	0.999742	318 08 45.43	2.0	0.00
322784 649-0.193	351.957	1	28/1	0.999741	121 41 58.24	2.3	0.00
76166 649-0.102	392.958	1	25/1	0.999743	16 29 36.86	2.1	0.00
247130 649-0.141	441.893	1	20/1	0.999743	258 55 45.24	1.7	0.00

GEOID DATA (GSD95) Updated: 17-03-20

Component Magnitude Std Dev

MARKER TYPE

Updated: 1972-11-28

Meridian Defl,XI(+N) 3.3 s 2 s
Prime Vert Defl,ETA(+E) 4.7 s 2 s
Geoid_Ellip Separation -16.21 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
5CM BGL, LANDSCAPED

COORDINATE HISTORY

MARKER LOCATION

Updated: 2017-03-15

Originating Project 72113 72113
Published 72-11-20 72-11-20

Revising Project NAD83 98014
Published 94-05-24 99-08-16
Revising Project
Published
Revising Project
Published

76 AVENUE AND 20 A STREET, S.E. CORNER; 1M S. OF BACK OF WALK,
S. SIDE 76 AVENUE; 2.2M E. OF BACK OF WALK,
E. SIDE 20 A STREET; 2119 - 76 AVENUE S.E.,
0.7M SE OF BACK OF WALK ON CURVE.

NON COORDINATE REVISIONS

1972-11-28 FIRST MARKER LOCATION
DESCRIPTION ENTERED
2017-03-20 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED
2003-03-12 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED IN GOOD CONDITION, CAP EFFACED
MARKER REPORTED IN GOOD CONDITION

2016-10-06 2017-03-15
2004-10-28 2004-12-03

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56494 0 100

99-08-16

0.009 m ELEVATION REVISED AND REINTEGRATED

HISTORY 649+00.100 56494 0 100