

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 58 51.86702 dms
Longitude 114 01 18.93193 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 89-11
Date Printed 2025-08-03
Last Updated 2018-02-12

ASCM 23119
Tablet Markings 23119
Mapsheet Name CALGARY F
Mapsheet Number 5649 - 000

Vert Datum CVD28 Updated: 1999-08-16
Elevation 1027.280 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 04-10-28

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2018-02-12

Scale Factor 0.999900 At Ref Mer 114

Northing 5649415.491 m
Easting -1539.594 m
Convergence -0 01 01.33 dms
Station Ellipsoid Factor 0.999842
Station Combined Factor 0.999742

ASCM Tablet To Markings	Horizontal Distance (m)	Std Dev (cm)	PPM/Order	Grid/Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
400978 400978	174.182	1	63/2	0.999742	252 42 27.25	4.0	0.00
196238 649-0.191	268.096	1	45/2	0.999745	133 41 04.26	3.7	0.00
279265 649-0.138	300.064	1	53/2	0.999740	34 38 47.69	4.2	0.00
203570 649-0.139	310.688	1	48/2	0.999742	50 24 45.49	3.7	0.00
349092 349092	485.706	1	35/2	0.999741	207 52 41.36	2.9	0.00
194936 649-0.132	500.274	1	32/2	0.999740	25 22 53.23	2.6	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1990-05-17

Meridian Defl,XI(+N) 3.3 s 2 s
Prime Vert Defl,ETA(+E) 5.0 s 2 s
Geoid_Ellip Separation -16.19 m 1 m

ASC CAP ON 5 CM SQ HEAVY WALL STEEL PIPE 2.4 M LONG WITH HELIX BASE
AT GROUND LEVEL.

COORDINATE HISTORY

MARKER LOCATION

Updated: 1990-05-17

Originating Project 89045 89045
Published 90-12-05 90-12-05

LOCATED ON N.E. COR. OF RIVERBIRCH RD. AND RIVERBEND DR. S.E.; 0.15M N.E. OF
B.O.W. ON CURVE; 1.80M E. OF E. B.O.W., PROD. S.; 5.10M N. OF N. B.O.W., PROD.
W.; 7.50M W. OF FIRE HYDRANT.

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

NON COORDINATE REVISIONS

1990-05-17 FIRST MARKER LOCATION
DESCRIPTION ENTERED
2003-03-12 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED
1990-05-17 INSTALLATION DATE AND TABLET
MARKINGS ENTERED

MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED IN GOOD CONDITION

2004-10-28 2004-12-03

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

99-08-16

0.014 m ELEVATION REVISED AND REINTEGRATED