

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 58 21.62548 dms
Longitude 114 04 51.45965 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 71-03
Date Printed 2025-08-03
Last Updated 2013-01-17

ASCM 16915
Tablet Markings 646-4.167
Mapsheet Name CALGARY F
Mapsheet Number 5646 - 004

Vert Datum CVD28 Updated: 2001-02-07
Elevation 1056.546 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 06-03-15

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2013-01-17

Scale Factor 0.999900 At Ref Mer 114

Northing 5648483.947 m
Easting -5686.044 m
Convergence -0 03 46.42 dms
Station Ellipsoid Factor 0.999837
Station Combined Factor 0.999737

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
115337 646-4.169	251.623	1 40/2	0.999737	6 57 22.99	3.4	0.00
256719 646-4.168	264.417	1 45/2	0.999735	339 46 28.12	3.8	0.00
187880 646-4.158	274.532	1 47/2	0.999734	288 52 45.96	3.7	0.00
281980 646-4.173	288.588	1 38/2	0.999739	50 36 56.54	3.1	0.00
118539 646-4.164	296.270	1 44/2	0.999736	206 43 03.56	3.6	0.00
43901 646-4.159	369.587	1 35/2	0.999736	227 12 02.74	2.7	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1972-07-11

Meridian Defl,XI(+N) 3.6 s 2 s
Prime Vert Defl,ETA(+E) 6.3 s 2 s
Geoid_Ellip Separation -16.06 m 1 m

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

COORDINATE HISTORY

MARKER LOCATION

Updated: 2007-06-25

Originating Project 72117 72117
Published 72-07-11 72-07-11

LOCATED AT INTERSECTION OF N-S LANE W OF HARROW CRES AND E-W LANE N OF HARROW CR
ES SW; 1.0 M W OF E P/L OF N-S LANE; 1.3 M S OF THE S P/L OF E-W LANE; 1.4 M SW
OF FENCE CORNER.

Revising Project NAD83 98017
Published 94-05-24 01-02-07
Revising Project
Published
Revising Project
Published

NON COORDINATE REVISIONS

1972-07-11 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

2006-03-15 2007-06-25

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56464 4 167

01-02-07

0.019 m ELEVATION REVISED AND REINTEGRATED

HISTORY 646-04.167 56464 4 167