

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 57 31.37860 dms
Longitude 114 05 26.68636 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 70-03

ASCM 24943

Tablet Markings 646-4.46

Date Printed 2025-08-03
Last Updated 2018-02-13

Mapsheet Name CALGARY F
Mapsheet Number 5646 - 004

Vert Datum CVD28 Updated: 2001-02-07
Elevation 1078.204 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 93-09-01

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2018-02-13

Scale Factor 0.999900 At Ref Mer 114

Northing 5646932.167 m
Easting -6375.186 m
Convergence -0 04 13.73 dms
Station Ellipsoid Factor 0.999834
Station Combined Factor 0.999734

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
204156 646-4.47	110.308	1 118/2	0.999730	107 42 05.41	5.4	0.00
213504 646-4.54	141.498	1 92/2	0.999732	17 39 50.40	4.7	0.00
105627 646-4.32	251.161	1 48/2	0.999735	269 18 15.30	3.8	0.00
124149 646-4.55	261.803	1 61/2	0.999736	341 13 16.35	4.5	0.00
50096 646-4.45	264.189	1 49/2	0.999731	186 42 41.02	3.8	0.00
137828 646-4.43	301.459	1 50/2	0.999731	169 04 46.89	4.3	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1971-04-21

Meridian Defl,XI(+N) 3.8 s 2 s
Prime Vert Defl,ETA(+E) 6.5 s 2 s
Geoid_Ellip Separation -16.01 m 1 m

ASC CAP SET IN CONCRETE SIDEWALK

COORDINATE HISTORY

MARKER LOCATION

Updated: 1994-01-06

Originating Project 70104 70104
Published 71-04-21 71-04-21

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

ON NW COR. OF SOUTHAMPTON DR. AND 105 AVE. SW; 3.8 M. W OF F.O.C. PTOD. S ;
2.6 M. N OF F.O.C. PROD. E.; 2.4 M. SW OF CB; 0.50 M. B.O.C. ON CURVE.

NON COORDINATE REVISIONS

1971-04-21 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

1993-09-01 1994-01-06

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56464 4 46

01-02-07

0.017 m ELEVATION REVISED AND REINTEGRATED

HISTORY 646-04.46 56464 4 46