

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 57 26.91451 dms
Longitude 114 06 40.30474 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 77-03
Date Printed 2025-08-03
Last Updated 2013-01-17

ASCM 61218
Tablet Markings 646-4.280
Mapsheet Name CALGARY F
Mapsheet Number 5646 - 004

Vert Datum CVD28 Updated: 2001-02-07
Elevation 1104.616 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 91-12-04

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2013-01-17

Scale Factor 0.999900 At Ref Mer 114

Northing 5646796.198 m
Easting -7812.035 m
Convergence -0 05 10.91 dms
Station Ellipsoid Factor 0.999829
Station Combined Factor 0.999730

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)
123513 646-4.283	135.968	1	59/2	0.999729	313 21 13.14	4.5	0.00
195958 646-4.274	180.244	1	78/2	0.999733	17 44 21.24	6.4	0.00
198762 646-4.276	192.362	1	62/2	0.999732	66 05 43.37	4.7	0.00
268185 646-4.286	214.362	1	42/2	0.999730	247 04 47.91	3.5	0.00
51037 646-4.273	219.638	1	59/2	0.999730	5 57 56.02	4.7	0.00
26450 646-4.275	228.805	1	66/2	0.999733	49 15 03.47	5.3	0.00

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

Component Magnitude Std Dev
Meridian Defl,XI(+N) 3.9 s 2 s
Prime Vert Defl,ETA(+E) 6.7 s 2 s
Geoid_Ellip Separation -15.96 m 1 m

MARKER TYPE Updated: 1991-10-16
ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
FLUSH W/GRND

COORDINATE HISTORY

Originating Project 77030 77030
Published 78-01-17 78-01-17
Revising Project NAD83 98017
Published 94-05-24 01-02-07
Revising Project 98015
Published 99-10-21
Revising Project
Published

MARKER LOCATION Updated: 1991-10-16
NORTHWEST CORNER BROOKPARK DRIVE AND NORTH
LEG BROOKMERE CRES. AT INTERSECTION OF BOTH BACK OF WALK.

NON COORDINATE REVISIONS

1978-01-31 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 1991-12-04 1992-01-27
MARKER REPORTED IN GOOD CONDITION 1990-06-26 1991-10-16

COORDINATE HISTORY COMMENTS

HORZ 94-05-24 ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56464 4 280

VERT
01-02-07 -0.005 m ELEVATION REVISED AND REINTEGRATED
99-10-21 0.023 m REVISED ELEVATION-BETTER INTEGRATION

HISTORY 646-04.280 56464 4 280