

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 58 07.23690 dms
Longitude 114 04 38.14611 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 71-03
Date Printed 2025-08-03
Last Updated 2018-02-13

ASCM 49866
Tablet Markings 646-4.177
Mapsheet Name CALGARY F
Mapsheet Number 5646 - 004

Vert Datum CVD28 Updated: 2001-02-07
Elevation 1048.232 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 93-08-19

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2018-02-13

Scale Factor 0.999900 At Ref Mer 114

Northing 5648039.075 m
Easting -5426.778 m
Convergence -0 03 36.06 dms
Station Ellipsoid Factor 0.999838
Station Combined Factor 0.999739

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)
111260 646-4.175	166.272	1	42/1	0.999739	267 22 11.44	3.4	0.00
178269 646-4.179	175.716	1	46/2	0.999738	68 34 13.68	3.6	0.00
143719 646-4.180	223.584	1	40/2	0.999738	19 42 26.13	3.4	0.00
251082 646-4.176	299.965	1	53/2	0.999739	209 20 38.42	4.1	0.00
231613 646-4.165	301.689	1	33/1	0.999737	282 06 39.16	2.6	0.00
172510 646-4.321	430.598	1	42/2	0.999740	173 06 26.67	3.6	0.01

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

Component	Magnitude	Std Dev
Meridian Defl, XI(+N)	3.6 s	2 s
Prime Vert Defl, ETA(+E)	6.2 s	2 s
Geoid_Ellip Separation	-16.06 m	1 m

MARKER TYPE

Updated: 1994-01-18

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
3 CM BGL

COORDINATE HISTORY

	HORZ	VERT
Originating Project Published	72117 72-07-11	72117 72-07-11
Revising Project Published	NAD83 94-05-24	98017 01-02-07
Revising Project Published		
Revising Project Published		

MARKER LOCATION

Updated: 1991-07-26

IN COMMUNITY RESERVE BETWEEN HUTTON PLACE & HARDISTY PLACE E OF HADDON ROAD;
20.5 M. E OF W P/L OF N-S LANE; IN LINE WITH N.P/L OF E-W LANE PROD. E ;
0.40 M. W OF N-S FROST FENCE ON W/S OF LRT TRACKS.

NON COORDINATE REVISIONS

Date	Description
1972-07-11	FIRST MARKER LOCATION DESCRIPTION ENTERED
2003-03-12	"MAPSHEET NAME" AND/OR "MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

Inspected	Updated
1993-08-19	1994-01-18
1990-09-18	1991-07-26

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56464 4 177

VERT

01-02-07

0.016 m ELEVATION REVISED AND REINTEGRATED

HISTORY 646-04.177 56464 4 177