

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 57 35.70744 dms  
Longitude 114 02 37.71528 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 70-03  
Date Printed 2025-08-03  
Last Updated 2018-02-12

ASCM 37234  
Tablet Markings 646-0.83  
Mapsheet Name CALGARY F  
Mapsheet Number 5646 - 000

Vert Datum CVD28 Updated: 1999-08-16  
Elevation 1043.599 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 93-04-19

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2018-02-12

Scale Factor 0.999900 At Ref Mer 114

Northing 5647062.917 m  
Easting -3077.687 m  
Convergence -0 02 02.50 dms  
Station Ellipsoid Factor 0.999839  
Station Combined Factor 0.999739

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev (m) (cm)	PPM/ Grid/ Grnd Order Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
229385 646-0.21	242.895	1	58/2 0.999738	349 24 33.03	5.0	0.00
143636 646-0.33	249.131	1	56/2 0.999739	146 17 59.70	3.7	0.00
6221 646-0.71	338.839	1	38/2 0.999741	258 52 33.80	3.3	0.00
152579 646-0.24	344.949	1	38/2 0.999737	46 14 41.30	3.2	0.00
231670 646-0.32	391.269	1	46/2 0.999738	146 55 37.32	3.0	0.00
239889 646-0.22	399.406	1	38/2 0.999739	28 41 02.16	3.2	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1993-07-07

Meridian Defl,XI(+N) 3.7 s 2 s  
Prime Vert Defl,ETA(+E) 5.5 s 2 s  
Geoid\_Ellip Separation -16.11 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG  
2 CM BGL, LANDSCAPED

COORDINATE HISTORY

MARKER LOCATION

Updated: 1993-07-07

Originating Project 70103 70103  
Published 71-05-25 71-05-25  
Revising Project NAD83 98014  
Published 94-05-24 99-08-16  
Revising Project  
Published  
Revising Project  
Published

ON THE NE SIDE OF ACADIA DRIVE AT WILLOW PARK DRIVE S.E.; ALSO NEAR THE NW  
WALL OF THE WILLOW RIDGE COMMUNITY CENTRE; 5.85 M NW OF THE NW WALL OF CENTRE,  
PRODUCED SW; 3.0 M SW OF FACE OF SEP. WALK; 2.70 M SE OF THE SE SIDE OF  
DRIVEWAY FOR COMMUNITY CENTRE.

NON COORDINATE REVISIONS

1971-05-25 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 - CAP EFFACED

1993-04-19 1993-07-07

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56464 0 83

99-08-16

0.010 m ELEVATION REVISED AND REINTEGRATED

HISTORY 646+00.83 56464 0 83