

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 51 00 04.81589 dms  
Longitude 114 06 22.96801 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 72-03  
Date Printed 2025-08-03  
Last Updated 2003-03-12

ASCM 64246  
Tablet Markings 649-4.224  
Mapsheet Name CALGARY G  
Mapsheet Number 5649 - 004

Vert Datum CVD28 Updated: 2001-02-07  
Elevation 1094.542 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 97-07-31

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 1999-10-02

Scale Factor 0.999900 At Ref Mer 114

Northing 5651674.708 m  
Easting -7466.667 m  
Convergence -0 04 57.63 dms  
Station Ellipsoid Factor 0.999831  
Station Combined Factor 0.999732

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
5983 649-4.220	187.172	1 48/2	0.999728	269 12 17.22	3.5	0.00
21303 649-4.225	215.597	1 46/2	0.999729	356 04 00.98	3.9	0.00
26039 D93	232.553	1 90/2	0.999735	176 53 40.33	5.3	0.00
86967 649-4.218	336.301	1 39/2	0.999730	217 19 52.88	3.1	0.01
210716 D85	344.651	1 46/2	0.999734	70 18 26.99	2.9	0.00
76844 D89	393.954	1 30/2	0.999730	269 44 39.83	2.5	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 2001-08-24

Meridian Defl,XI(+N) 3.3 s 2 s  
Prime Vert Defl,ETA(+E) 6.5 s 2 s  
Geoid\_Ellip Separation -16.05 m 1 m

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

COORDINATE HISTORY

MARKER LOCATION

Updated: 2001-08-24

Originating Project 72111 72111  
Published 70-06-24 70-06-24  
Revising Project NAD83 98017  
Published 94-05-24 01-02-07  
Revising Project  
Published  
Revising Project  
Published

ON SE CORNER OF 58 AVE AND 19 ST SW;  
0.60 M N OF F.O.C. PROD. E;  
1.6 M N OF AN E-W STEEL FL;  
0.80 M E OF F.O.C. PROD. S.

NON COORDINATE REVISIONS

1973-02-06 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

1997-07-31 2001-08-24

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56494 4 224

01-02-07

0.010 m ELEVATION REVISED AND REINTEGRATED

HISTORY 649-04.224 56494 4 224