

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 58 19.74353 dms  
Longitude 114 03 56.38508 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 72-03

ASCM 33811

Tablet Markings 646-4.203

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

Mapsheet Name CALGARY F  
Mapsheet Number 5646 - 004

Vert Datum CVD28 Updated: 1999-08-16  
Elevation 1058.267 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 93-08-18

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2018-02-13

Scale Factor 0.999900 At Ref Mer 114

Northing 5648424.728 m  
Easting -4611.654 m  
Convergence -0 03 03.63 dms  
Station Ellipsoid Factor 0.999837  
Station Combined Factor 0.999737

ASCM Tablet To Markings	Horizontal Distance (m)(cm)	Std Dev (m)(cm)	PPM/ Order	Grid/ Factor	Grnd	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
243949 646-4.269	192.662	1	42/2	0.999739		83 09 39.75	3.4	0.00
18218 646-4.206	239.911	1	38/2	0.999737		143 00 24.62	3.1	0.00
220061	285.372	1	52/2	0.999737		73 38 31.49	3.8	0.00
226621 646-4.210	385.037	1	29/1	0.999735		175 22 21.81	2.4	0.00
32946 646-4.209	424.336	1	26/1	0.999737		160 00 05.90	2.2	0.00
98665 646-4.194	426.130	1	26/1	0.999736		1 07 23.56	2.2	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1994-01-05

Meridian Defl,XI(+N) 3.5 s 2 s  
Prime Vert Defl,ETA(+E) 5.9 s 2 s  
Geoid\_Ellip Separation -16.09 m 1 m

ASC BRASS TABLET ON TOP OF A 7X305CM STEEL PIPE, SURROUNDED BY CONC WALK.  
3 CM. AG

COORDINATE HISTORY

MARKER LOCATION

Updated: 1991-09-30

Originating Project 72114 72114  
Published 83-03-03 83-03-03  
  
Revising Project NAD83 98014  
Published 94-05-24 99-08-16  
Revising Project 88037  
Published 89-02-15  
Revising Project  
Published

ON S/S OF 90 AVE. S.E. AT WEST ENTRANCE TO CARRIAGE PARK TOWN HOUSE S.;  
1.30M SOUTH OF B.O.W. S/S OF 90 AVE.;  
0.10M EAST OF B.O.W. E/S OF ENTRANCE - W. ENTRANCE TO CARRIAGE PARK;  
3.30M SOUTH OF LIGHTS.

NON COORDINATE REVISIONS

1972-11-28 FIRST MARKER LOCATION  
DESCRIPTION ENTERED  
2003-03-12 "MAPSHEET NAME" AND/OR  
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

MARKER CONDITION COMMENTS	Inspected	Updated
MARKER REPORTED IN GOOD CONDITION	1993-08-18	1994-01-06
MARKER REPORTED IN GOOD CONDITION	1990-10-16	1991-09-30
MARKER REPORTED IN GOOD CONDITION	1988-05-26	1988-06-03

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56464 4 203

VERT	Value	Description
99-08-16	-0.017 m	ELEVATION REVISED AND REINTEGRATED
89-02-15	0.033 m	REVISED ELEV. FROM SUSPECTED MARKER MOVEMENT

HISTORY 646-04.203 56464 4 203