

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 59 31.40224 dms  
Longitude 114 03 23.89016 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 72-03

ASCM 13391

Tablet Markings 649-0.61

Date Printed 2025-08-03  
Last Updated 2017-03-20

Mapsheet Name CALGARY F  
Mapsheet Number 5649 - 000

Vert Datum CVD28 Updated: 1999-08-16  
Elevation 1067.653 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 05-05-24

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated:

Scale Factor 0.999900 At Ref Mer 114

Northing 5650638.393 m  
Easting -3976.008 m  
Convergence -0 02 38.43 dms  
Station Ellipsoid Factor 0.999835  
Station Combined Factor 0.999735

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev	PPM/ Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
258855 649-0.62	120.711	1	83/2	0.999737	154 27 25.74	4.8	0.00
55962 649-0.82	156.562	1	64/2	0.999737	54 35 56.26	3.9	0.00
288613 649-4.200	280.820	1	32/1	0.999735	268 22 55.24	2.8	0.00
264853 649-4.199	299.763	1	57/2	0.999735	237 18 28.93	4.2	0.00
249656 649-0.63	306.408	1	42/2	0.999736	183 32 45.39	3.2	0.00
230706 649-0.64	351.584	1	40/2	0.999734	186 16 51.16	3.1	0.00

GEOID DATA (GSD95) Updated: 17-03-20

Component Magnitude Std Dev

MARKER TYPE

Updated: 1972-11-28

Meridian Defl, XI(+N) 3.2 s 2 s  
Prime Vert Defl, ETA(+E) 5.7 s 2 s  
Geoid\_Ellip Separation -16.14 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

MARKER LOCATION

Updated: 2006-06-16

Originating Project 72114 72114  
Published 83-03-03 83-03-03

N/SIDE OF FARRELL RD AT BEGINNING OF CURVE AND N OF FRANKLIN DR SE; 1.6 M NE OF  
BOW ON CURVE; 15.8 M W OF W P/L OF #7056 FARRELL RD PROD SW (STEEL FENCE); 8.0 M  
N OF MANHOLE.

Revising Project NAD83 98014  
Published 94-05-24 99-08-16  
Revising Project  
Published  
Revising Project  
Published

NON COORDINATE REVISIONS

1972-11-28 FIRST MARKER LOCATION  
DESCRIPTION ENTERED  
2017-03-20 "MAPSHEET NAME" AND/OR  
"MAPSHEET NO" CHANGED  
2003-03-12 "MAPSHEET NAME" AND/OR  
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED IN GOOD CONDITION

2005-05-24 2006-06-16

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56494 0 61

99-08-16

0.008 m ELEVATION REVISED AND REINTEGRATED

HISTORY 649+00.61 56494 0 61