

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 59 19.05495 dms
Longitude 114 00 05.70224 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 72-03

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

ASCM 56937

Tablet Markings 649-0.104

Mapsheet Name CALGARY F
Mapsheet Number 5649 - 000

Vert Datum CVD28 Updated: 1999-08-16
Elevation 1026.623 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 15-03-13

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated:

Scale Factor 0.999900 At Ref Mer 114

Northing 5650255.346 m
Easting -111.206 m
Convergence -0 00 04.43 dms
Station Ellipsoid Factor 0.999842
Station Combined Factor 0.999742

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	Grid/Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
158576 649+4.115	235.609	1 89/2	0.999742	52 44 25.00	7.4	0.00
141408 649-0.103	265.253	1 38/2	0.999740	273 11 10.95	3.1	0.00
110106 649+4.128	288.281	1 52/2	0.999743	13 07 16.85	4.4	0.00
255349 649-0.105	295.382	1 54/2	0.999743	299 39 33.67	4.5	0.00
184515 649-0.106	368.515	1 33/2	0.999741	318 06 49.41	2.8	0.00
126359 649-0.98	408.637	1 22/1	0.999741	182 07 07.15	1.8	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) 4.6 s 2 s
Geoid_Ellip Separation -16.23 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
FLUSH WITH GROUND.

COORDINATE HISTORY

HORZ VERT

Originating Project 72113 72113
Published 72-11-20 72-11-20

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

MARKER LOCATION

Updated: 2015-05-01

ON S.E. CORNER OF 72 AVE. AND 24 ST. S.E.;
2.8M SOUTH B.O.W., PROD. WEST;
2.25M EAST OF B.O.W, PROD. NORTH; NO SIGHT TO ADJ ASC
3.3M S.W. OF CENTER OF CATCH BASIN. FLUSH WITH GROUND
2015: 17 CM S.E OF BOW ON CURVE

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	2015-04-23	2015-04-23
MARKER REPORTED IN GOOD CONDITION	2015-03-13	2015-05-01
MARKER REPORTED IN GOOD CONDITION	2003-02-14	2003-12-22
MARKER REPORTED IN GOOD CONDITION	1990-10-31	1991-09-30

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56494 0 104

99-08-16

0.009 m ELEVATION REVISED AND REINTEGRATED

HISTORY 649+00.104 56494 0 104