

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

Horz Datum NAD83 Updated: 1996-09-24
Latitude 51 01 17.26870 dms
Longitude 114 22 25.05315 dms
Horz Class INTEGRATED , ORDER 3

Marker Installed 76-03

ASCM 1917

Date Printed 2025-08-03
Last Updated 2003-03-12

Tablet Markings 51114.202

Vert Datum CVD28 Updated: 1998-03-26
Elevation 1183.952 m
Vert Class INTEGRATED , SPIRIT LEVELS

Mapsheet Name CALGARY K
Mapsheet Number 5652 - 024

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

Marker Condition GOOD 82-08-22

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2001-12-10

Scale Factor 0.999900 At Ref Mer 114

Northing 5653974.501 m
Easting -26212.906 m
Convergence -0 17 25.63 dms
Station Ellipsoid Factor 0.999817
Station Combined Factor 0.999725

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)
226043 PIR	3426.670	1	3/1	0.999723	89 07 29.54	0.2	0.00
305797 GPS500	3669.436	1	2/1	0.999725	0 26 55.53	0.2	-0.24
425603 GPS400	5871.278	1	2/1	0.999724	0 18 51.05	0.1	-0.39
211946 50114.219	6862.002	16	56/3	0.999725	159 07 10.45	4.8	0.41
278879 756042	7196.509	2	8/1	0.999722	137 23 47.44	0.7	0.33
383299 GPS100	7507.012	1	1/1	0.999724	0 16 14.61	0.1	-0.50

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1985-02-15

Meridian Defl,XI(+N) 4.3 s 2 s
Prime Vert Defl,ETA(+E) 9.4 s 2 s
Geoid_Ellip Separation -15.39 m 1 m

ASC BRASS CAP ON A 6CM DIA STEEL PIPE 2.44M LONG WITH A HELIX BASE.

COORDINATE HISTORY HORZ VERT

MARKER LOCATION

Updated: 1985-12-02

Originating Project 51112 51112
Published 85-02-15 85-02-15

IN NE 1/4 SEC 5-24-3-5; 196M S OF C/L OF S.R. #559; 7.8M W OF C/L
OF N-S RD; 181M S OF AN E/W F/L; 46M S/W OF FIRST POWER POLE N OF GATE
ALONG E/S FO N/S ROAD; 0.5M E OF N/S FENCE ALONG W/S OF N/S ROAD; 0.3M
S OF MP.

Revising Project 93023 98150
Published 96-09-24 98-03-26
Revising Project NAD83 93023
Published 94-05-24 96-09-24
Revising Project
Published

NON COORDINATE REVISIONS

1985-02-15 FIRST MARKER LOCATION
DESCRIPTION ENTERED
2003-03-12 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

COORDINATE HISTORY COMMENTS

HORZ 96-09-24 16 15 53 0.107 m REV HORZ COORDINATES-BETTER INTEGRATION
94-05-24 ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 514114 202 NGBD # 76X051
NGBD NAME 51114.202
HISTORY 51114. 202 514114 202

98-03-26 0.019 m PREVIOUS GPS ELEV REPLACED BY NGDB VALUE
96-09-24 -0.019 m PREVIOUS ISS ELEVATION REPLACED BY GPS