

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 53 31.98365 dms  
Longitude 113 51 34.83737 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 74-03

ASCM 37002

Tablet Markings 637+12.1

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

Mapsheet Name CALGARY C  
Mapsheet Number 5637 + 012

Vert Datum CVD28 Updated: 1999-08-16  
Elevation 1020.902 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 97-05-21

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2001-12-07

Scale Factor 0.999900 At Ref Mer 114

Northing 5639540.607 m  
Easting 9872.160 m  
Convergence 0 06 31.99 dms  
Station Ellipsoid Factor 0.999843  
Station Combined Factor 0.999744

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)
128629 637+12.5	1040.088	2	27/2	0.999743	271 07 17.20	2.3	0.00	
195099 640+12.2	1622.118	2	21/1	0.999743	270 40 16.80	1.7	0.00	
218941 76A030	2072.809	2	20/1	0.999743	307 23 52.90	1.7	0.03	
105973 637+8.1	2238.449	2	20/1	0.999744	226 26 03.43	1.7	-0.04	
165340 76A023	3251.990	2	13/1	0.999743	269 47 06.18	1.1	0.00	
	3290.975	3	19/1	0.999744	352 35 12.23	1.6	0.08	

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1975-10-20

Meridian Defl,XI(+N) 3.6 s 2 s  
Prime Vert Defl,ETA(+E) 3.2 s 2 s  
Geoid\_Ellip Separation -16.24 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

MARKER LOCATION

Updated: 1995-05-01

Originating Project 75117 75117  
Published 83-07-26 83-07-26  
  
Revising Project NAD83 98014  
Published 94-05-24 99-08-16  
Revising Project 93014  
Published 94-06-24  
Revising Project 86060  
Published 87-02-18

LOCATED ON 120 STREET AND 178 AVENUE SOUTH EAST (120 CORRECTION LINE);  
5.2 M SOUTH OF SOUTH PROPERTY LINE OF 178 AVENUE SOUTH EAST; ON EAST  
PROPERTY LINE OF 120 STREET PRODUCED NORTH; 30.0 CM NORTH EAST OF GP;  
2.4 M NORTH OF WOODEN POWER POLE LINE.

NON COORDINATE REVISIONS

1975-10-20 FIRST MARKER LOCATION  
DESCRIPTION ENTERED  
2003-03-12 "MAPSHEET NAME" AND/OR  
"MAPSHEET NO" CHANGED  
1994-05-03 NGDB NUMBER ENTERED

MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED IN GOOD CONDITION

1997-05-21 1997-12-23

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56373 12 1 NGDB # A37002  
HISTORY 56373 12 1

99-08-16 -0.005 m ELEVATION REVISED AND REINTEGRATED  
94-06-24 0.005 m REV ELEVATION-INTEGRATION INTO CCS DBM NET  
87-02-18 -2.698 m PREVIOUS TRIG ELEV REPLACED BY SPIRIT LEVEL