

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

Horz Datum NAD83 Updated: 1995-03-14  
Latitude 50 51 55.14485 dms  
Longitude 113 52 58.61910 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 74-03

ASCM 68353

Tablet Markings 634+12.2

Date Printed 2025-08-03  
Last Updated 2024-12-05

Mapsheet Name CALGARY D  
Mapsheet Number 5634 + 012

Vert Datum CVD28 Updated: 1999-08-16  
Elevation 1020.769 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 93-03-25

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2024-12-05

Scale Factor 0.999900 At Ref Mer 114

Northing 5636545.575 m  
Easting 8239.596 m  
Convergence 0 05 26.85 dms  
Station Ellipsoid Factor 0.999843  
Station Combined Factor 0.999743

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
218941 76A030	1453.135	1 40/2	0.999743	0 26 06.78	3.7	0.03
6122 634+8.2	2109.765	1 29/2	0.999743	255 37 12.72	1.9	-0.01
342246 342246	2142.582	1 23/2	0.999743	310 18 31.93	1.9	0.03
413310 413310	2749.227	1 20/1	0.999743	300 07 44.73	1.6	0.03
128629 637+12.5	3014.829	1 20/1	0.999743	0 12 31.00	1.5	0.06
238840 637+8.4	3216.882	1 18/1	0.999742	338 31 42.30	1.5	0.06

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1993-04-19

Meridian Defl,XI(+N) 3.9 s 2 s  
Prime Vert Defl,ETA(+E) 3.7 s 2 s  
Geoid\_Ellip Separation -16.16 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG  
FLUSH WITH GROUND, 25 CM SW OF GP.

COORDINATE HISTORY

MARKER LOCATION

Updated: 1975-10-20

Originating Project 75116 75116  
Published 83-07-27 83-07-27

ON W/S 100 STREET S.E. AND N OF 210 AVENUE S.E.; 90.0CM W OF W P/L OF  
100 STREET S.E.; 175.0M S OF 210 AVENUE S.E. S P/L; 25.0CM W OF GP.

Revising Project 95026 98014  
Published 95-03-14 99-08-16  
Revising Project 93014 93014  
Published 94-06-24 94-06-24  
Revising Project NAD83  
Published 94-05-24

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

1993-03-25 1993-04-19

COORDINATE HISTORY COMMENTS

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56343 12 2 NGDB # A68353

HISTORY 56343 12 2

HORZ 95-03-14 70 04 48	0.008 m	HORZ COORDINATES REVISED AND REINTEGRATED
94-06-24 197 27 20	0.078 m	MOVEMENT DETECTED
94-05-24		ALBERTA NAD83 READJUSTMENT
VERT 99-08-16	-0.008 m	ELEVATION REVISED AND REINTEGRATED
94-06-24	-2.923 m	PREVIOUS TRIG ELEV REPLACED BY SPIRIT LEVEL