

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 02 43.56129 dms
Longitude 114 12 00.42678 dms
Horz Class INTEGRATED , ORDER 3

Marker Installed 76-03

ASCM 14860

Date Printed 2025-08-03
Last Updated 2022-03-03

Tablet Markings

Vert Datum CVD28 Updated: 1983-09-14
Elevation 1303.017 m
Vert Class NOT CLASSIFIED, NON-SIMUL TRIG

Mapsheet Name CALGARY G
Mapsheet Number 5655 - 012

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

Marker Condition GOOD 95-02-13

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2022-03-03

Scale Factor 0.999900 At Ref Mer 114

Northing 5656593.505 m
Easting -14032.724 m
Convergence -0 09 20.24 dms
Station Ellipsoid Factor 0.999798
Station Combined Factor 0.999701

ASCM Tablet To Markings	Horizontal Distance (m)(cm)	Std Dev Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
987065 987065	935.412	1	54/2	0.999707	106 04 06.05	3.7
43331 655-12.81	1010.424	1	50/2	0.999707	79 31 19.57	3.1
24091 655-12.74	1236.310	1	40/2	0.999707	44 50 45.36	2.9
263996 655-12.90	1357.680	1	38/2	0.999707	51 47 07.32	2.6

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

Component	Magnitude	Std Dev
Meridian Defl,XI(+N)	3.0 s	2 s
Prime Vert Defl,ETA(+E)	7.2 s	2 s
Geoid_Ellip Separation	-15.91 m	1 m

MARKER TYPE

Updated: 1976-06-02

HIGH POINT

COORDINATE HISTORY HORZ VERT

Originating Project	76040	76040
Published	83-09-14	83-09-14
Revising Project	NAD83	
Published	94-05-24	
Revising Project		
Published		
Revising Project		
Published		

MARKER LOCATION

Updated: 1976-06-02

CALGARY POWER (NOW: TRANS-ALTA UTILITIES) MICROWAVE TOWER AT
77TH STREET S.W. AND 8TH AVE.
POINT OBSERVED: HIGHEST POINT OF ANTENNA, ABOVE DISCS.
NOTE: ELEVATION DERIVED FROM TRIG LEVELS BY CITY OF CALGARY.
(HIGH POINTS). 85/09/04

NON COORDINATE REVISIONS

1976-06-02	FIRST MARKER LOCATION DESCRIPTION ENTERED
2003-03-12	"MAPSHEET NAME" AND/OR "MAPSHEET NO" CHANGED
1993-06-08	TABLET MARKINGS CHANGED FROM TRANS-ALTA.MIC.T

MARKER CONDITION COMMENTS

Inspected Updated

HIGH POINT, REPORTED IN GOOD CONDITION

1995-02-13 1995-07-05

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56554 12 43

VERT

HISTORY TRANS-ALTA,MIC.T56554 12 43