

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 51 05 08.43743 dms  
Longitude 114 12 12.29176 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 72-03

ASCM 29827

Tablet Markings 658-12.73

Date Printed 2025-08-03  
Last Updated 2020-01-09

Mapsheet Name CALGARY G  
Mapsheet Number 5661 - 012

Vert Datum CVD28 Updated: 2019-11-14  
Elevation 1077.734 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 89-03-16

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2020-01-09

Scale Factor 0.999900 At Ref Mer 114

Northing 5661070.741 m  
Easting -14251.471 m  
Convergence -0 09 29.79 dms  
Station Ellipsoid Factor 0.999834  
Station Combined Factor 0.999736

ASCM Tablet To Markings	Horizontal Distance (m)(cm)	Std Dev Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
195735 658-12.82	182.654	1 66/2	0.999734	34 34 14.19	4.0	-0.01
123380 658-12.69	239.695	1 54/2	0.999734	233 41 35.49	4.1	0.01
98962 658-12.81	277.621	1 50/2	0.999735	90 02 49.44	4.3	0.00
231373 658-12.75	330.865	1 51/2	0.999736	112 48 09.72	4.2	0.00
83188 658-12.74	370.113	1 38/2	0.999736	131 07 44.34	3.1	0.01
69625 661-12.53	378.935	1 42/2	0.999735	10 11 23.07	3.4	-0.01

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

Component	Magnitude	Std Dev
Meridian Defl,XI(+N)	2.6 s	2 s
Prime Vert Defl,ETA(+E)	7.0 s	2 s
Geoid_Ellip Separation	-15.96 m	1 m

MARKER TYPE

Updated: 1973-06-19

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

	HORZ	VERT
Originating Project	72106	72106
Published	83-04-29	83-04-29
Revising Project	NAD83	38004
Published	94-05-24	19-11-14
Revising Project		98016
Published		00-06-15
Revising Project		
Published		

MARKER LOCATION

Updated: 1990-05-01

2.9 M EAST OF EAST BACK OF WALK PRODUCED SOUTH; 3.0 M NORTH OF NORTH  
BACK OF WALK PRODUCED WEST; 80.0 CM NORTH EAST OF BACK OF WALK ON  
CURVE; NEAR HOUSE #7940 - 33 AVENUE.  
N.E. COR. 79 ST AND 33 AVE. N.W.;

NON COORDINATE REVISIONS

1973-06-19 FIRST MARKER LOCATION  
DESCRIPTION ENTERED  
2003-03-12 "MAPSHEET NAME" AND/OR  
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED IN GOOD CONDITION

1989-03-16 1990-05-01

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56584 12 73

VERT

19-11-14	0.027 m	REVISED ELEVATION-MOVEMENT SUSPECTED
00-06-15	0.015 m	REVISED ELEVATION-BETTER INTEGRATION

HISTORY 56584 12 73