

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 51 10 08.60310 dms  
Longitude 114 00 49.27050 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 78-03

ASCM 9340

Tablet Markings 670-0.27

Date Printed 2025-08-03  
Last Updated 2020-07-10

Mapsheet Name CALGARY H  
Mapsheet Number 5670 - 000

Vert Datum CVD28 Updated: 1999-10-21  
Elevation 1080.460 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 01-01-31

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3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2020-07-10

Scale Factor 0.999900 At Ref Mer 114

Northing 5670326.231 m  
Easting -957.152 m  
Convergence -0 00 38.38 dms  
Station Ellipsoid Factor 0.999833  
Station Combined Factor 0.999733

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev (m) (cm)	PPM/ Grid/ Grnd Order Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
239186 670+4.6	932.046	1	17/1 0.999733	91 14 24.34	1.4	0.00
1172 670-0.23	1594.322	1	12/1 0.999732	268 04 34.92	1.0	0.00
143180 667-0.5	1677.596	1	10/1 0.999733	180 22 42.07	0.9	0.00
105684 670-0.4	1789.296	1	10/1 0.999733	26 18 11.12	0.8	0.00

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

Component	Magnitude	Std Dev
Meridian Defl, XI(+N)	2.3 s	2 s
Prime Vert Defl, ETA(+E)	5.6 s	2 s
Geoid_Ellip Separation	-16.47 m	1 m

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MARKER TYPE Updated: 2001-08-15

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG  
FLUSH WITH GROUND. 40 CM AWAY FROM G.P.

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COORDINATE HISTORY

	HORZ	VERT
Originating Project	78030	78030
Published	83-08-10	83-08-10
Revising Project	NAD83	98015
Published	94-05-24	99-10-21
Revising Project		92066
Published		93-07-30
Revising Project		
Published		

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MARKER LOCATION Updated: 2001-08-15

ON N/W OF 128 AVE AND W OF 19 ST 1/4 L FL NE; 23.6 M W OF N-S 1/4 L FL PROD.  
N; 1 M N OF E-W PL FL.

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NON COORDINATE REVISIONS

1979-03-08	FIRST MARKER LOCATION DESCRIPTION ENTERED
2003-03-12	"MAPSHEET NAME" AND/OR "MAPSHEET NO" CHANGED

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MARKER CONDITION COMMENTS Inspected Updated

MARKER REPORTED IN GOOD CONDITION	2001-01-31	2001-08-15
MARKER REPORTED IN GOOD CONDITION	1992-10-02	1992-12-03
MARKER REPORTED IN GOOD CONDITION.	1990-03-13	1990-05-25

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COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

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HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56704 0 27

VERT

99-10-21	0.049 m	REVISED ELEVATION-BETTER INTEGRATION
93-07-30	-0.011 m	ELEVATION REVISED AND REINTEGRATED

HISTORY 670-00.27 56704 0 27