

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

Horz Datum NAD83      Updated: 1994-05-24  
Latitude    51 02 33.95215 dms  
Longitude   113 56 05.48046 dms  
Horz Class INTEGRATED    , ORDER 2

Marker Installed   83-10

ASCM      15685

Tablet Markings   655+8.102

Date Printed      2025-08-03  
Last Updated      2021-11-15

Mapsheet Name    CALGARY B  
Mapsheet Number   5655 + 008

Vert Datum CVD28      Updated: 1999-08-16  
Elevation    1058.189 m  
Vert Class INTEGRATED    , SPIRIT LEVELS

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

Marker Condition   GOOD      93-11-29

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3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2021-11-15

Scale Factor   0.999900    At Ref Mer 114

Northing   5656279.550 m  
Easting     4568.318 m  
Convergence   0 03 02.37 dms  
Station Ellipsoid Factor 0.999837  
Station Combined Factor 0.999737

ASCM Tablet To Markings	Horizontal Distance (m)(cm)	Std Dev	PPM/ Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
159517 655+8.27	359.433	1	31/1	0.999738	318 51 39.20	2.5	0.00
110841 655+8.99	461.827	1	26/1	0.999736	136 14 23.65	2.2	0.00
278002 655+8.28	567.684	1	26/1	0.999737	317 37 13.83	2.1	0.00
107409 655+8.39	724.037	1	18/1	0.999737	349 44 32.43	1.5	0.01
116731 655+8.24	729.706	1	16/1	0.999738	355 36 17.19	1.3	0.01

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GEOID DATA (GSD95)      Updated: 17-03-20

Component	Magnitude	Std Dev
Meridian Defl,XI(+N)	2.9   s	2   s
Prime Vert Defl,ETA(+E)	3.8   s	2   s
Geoid_Ellip Separation	-16.41 m	1   m

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MARKER TYPE      Updated: 1989-07-11

ASC CAP ON 6 CM DIA LIGHT WALL STEEL PIPE 2.4 M LONG WITH HELIX BASE  
FLUSH WITH GROUND.

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COORDINATE HISTORY      HORZ      VERT

Originating Project      83040      83040  
Published      84-05-30    84-05-30

Revising Project      NAD83      98014  
Published      94-05-24    99-08-16  
Revising Project  
Published  
Revising Project  
Published

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MARKER LOCATION      Updated: 1989-07-11

LOCATED ON THE NORTH EAST CORNER OF 68 STREET AND APPLEWOOD DRIVE SOUTH EAST;  
3.55 M SOUTH OF BACK OF SEPERATE WALK; 1.85 M EAST OF BACK OF SEPERATE WALK;  
26.0 CM NORTH EAST OF FACE OF CURB ON CURVE.

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NON COORDINATE REVISIONS

1984-05-30	FIRST MARKER LOCATION DESCRIPTION ENTERED
2017-03-20	"MAPSHEET NAME" AND/OR "MAPSHEET NO" CHANGED
2003-03-12	"MAPSHEET NAME" AND/OR "MAPSHEET NO" CHANGED

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MARKER CONDITION COMMENTS      Inspected      Updated

MARKER REPORTED IN GOOD CONDITION	1993-11-29	1993-12-31
MARKER REPORTED IN GOOD CONDITION.	1989-03-17	1989-07-11

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COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

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HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56553    8   102

VERT  
99-08-16

0.018 m    ELEVATION REVISED AND REINTEGRATED

HISTORY      56553    8   102