

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

Horz Datum NAD83      Updated: 1994-05-24  
Latitude    50 57 35.33687 dms  
Longitude   114 02 16.45661 dms  
Horz Class INTEGRATED    , ORDER 2

Marker Installed    70-03  
Date Printed        2025-08-03  
Last Updated        2018-02-12

ASCM            66118  
Tablet Markings    646-0.25  
Mapsheet Name      CALGARY F  
Mapsheet Number    5646 - 000

Vert Datum CVD28      Updated: 1999-08-16  
Elevation    1044.752 m  
Vert Class INTEGRATED    , SPIRIT LEVELS

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

Marker Condition    GOOD            93-04-19

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3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2018-02-12

Scale Factor    0.999900    At Ref Mer 114

Northing    5647051.237 m  
Easting     -2662.847 m  
Convergence   -0 01 45.99 dms  
Station Ellipsoid Factor 0.999839  
Station Combined Factor   0.999739

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
224378 646-0.60	196.234	1 92/2	0.999739	150 28 06.67	4.8	0.00
199927 646-0.26	265.731	1 75/2	0.999737	146 42 28.86	4.1	0.00
152579 646-0.24	300.180	1 47/2	0.999739	326 28 28.61	3.6	0.00
143636 646-0.33	338.860	1 44/2	0.999739	234 44 51.93	3.7	0.00
154534 646-0.41	362.968	1 55/2	0.999739	17 50 03.74	4.2	0.00
231670 646-0.32	374.901	1 51/2	0.999739	212 29 57.68	4.1	0.00

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

Component                    Magnitude    Std Dev

Meridian Defl, XI(+N)        3.6    s        2    s  
Prime Vert Defl, ETA(+E)    5.4    s        2    s  
Geoid\_Ellip Separation -16.12 m    1    m

MARKER TYPE

Updated: 1993-07-07

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG  
2 CM BGL, LANDSCAPED

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COORDINATE HISTORY

HORZ            VERT

Originating Project        70103        70103  
Published            71-05-25    71-05-25

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

MARKER LOCATION

Updated: 1993-07-07

ON THE NE SIDE OF MAPLECREEK DRIVE AT MAPLECROFT ROAD S.E.;    7.0 M SE OF THE NW  
B.O.W. OF MAPLECROFT ROAD PRODUCED NE;    0.70 M NE OF B.O.W.;    18.70 M NW OF  
LT.S.

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NON COORDINATE REVISIONS

1971-05-25    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

1993-04-19    1993-07-07

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COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

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HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56464    0    25

VERT

99-08-16

0.013 m    ELEVATION REVISED AND REINTEGRATED

HISTORY 646+00.25            56464    0    25