

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

Horz Datum NAD83      Updated: 1994-05-24  
Latitude    50 55 05.25498 dms  
Longitude   114 03 13.99090 dms  
Horz Class INTEGRATED    , ORDER 2

Marker Installed    78-03

ASCM      58982

Tablet Markings    640-0.92

Date Printed      2025-08-03  
Last Updated      2007-06-25

Mapsheet Name    CALGARY F  
Mapsheet Number   5640 - 000

Vert Datum CVD28      Updated: 1983-08-04  
Elevation    1041.123 m  
Vert Class INTEGRATED    , SPIRIT LEVELS

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

Marker Condition    GOOD      05-10-21

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3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2007-06-25

Scale Factor    0.999900    At Ref Mer 114

Northing    5642414.573 m  
Easting      -3788.972 m  
Convergence   -0 02 30.58 dms  
Station Ellipsoid Factor 0.999839  
Station Combined Factor   0.999740

ASCM Tablet To Markings	Horizontal Distance	Std Dev (m) (cm)	PPM/ Order	Grid/ Factor	Grnd	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
94466 640-0.150	150.308	1	80/2	0.999738	141 41 06.33	6.9	0.00	
50344 640-0.90	156.067	1	70/2	0.999739	294 38 24.47	4.0	0.00	
106062 640-0.94	223.233	1	54/2	0.999739	190 46 03.59	4.4	0.00	
194472 640-0.198	251.347	1	48/2	0.999740	48 35 43.96	3.8	0.00	
269001 640-0.89	253.724	1	51/2	0.999741	307 09 30.20	3.8	0.00	
97840 640-0.151	271.065	1	48/2	0.999739	173 25 09.22	4.0	0.00	

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

Component      Magnitude    Std Dev

MARKER TYPE

Updated: 1979-08-16

Meridian Defl,XI(+N)      4.3    s      2    s  
Prime Vert Defl,ETA(+E)   5.9    s      2    s  
Geoid\_Ellip Separation -16.00 m      1    m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

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COORDINATE HISTORY      HORZ      VERT

MARKER LOCATION

Updated: 2007-06-25

Originating Project      78024      78024  
Published      83-08-04    83-08-04

LOCATED ON THE SW CORNER OF MIDRIDGE DR AT MIDRIDGE RISE SE; 5.0 M S OF BACK OF  
SEP.W PROD E; 0.10 M W OF BOW ON CURVE; 10.4 M N OF LT.S.

Revising Project      NAD83  
Published      94-05-24  
Revising Project  
Published  
Revising Project  
Published

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NON COORDINATE REVISIONS

1979-08-16    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  
MARKER REPORTED IN GOOD CONDITION.

2005-10-21    2007-06-25  
1989-02-14    1989-09-26

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COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

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HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56404    0    92

HISTORY 640+00.92      56404    0    92