

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

Horz Datum NAD83      Updated: 1994-05-24  
Latitude    50 55 45.64934 dms  
Longitude   114 01 03.43223 dms  
Horz Class INTEGRATED    , ORDER 2

Marker Installed    79-03

ASCM      47431

Tablet Markings    643-0.237

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

Mapsheet Name    CALGARY F  
Mapsheet Number   5643 - 000

Vert Datum CVD28      Updated: 1999-08-16  
Elevation    1034.463 m  
Vert Class INTEGRATED    , SPIRIT LEVELS

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

Marker Condition    GOOD      89-03-28

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3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2021-11-15

Scale Factor    0.999900    At Ref Mer 114

Northing    5643661.475 m  
Easting      -1238.641 m  
Convergence   -0 00 49.25 dms  
Station Ellipsoid Factor 0.999840  
Station Combined Factor   0.999741

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	Grid/Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
203190 643-0.243	260.350	1 58/2	0.999739	154 45 08.13	4.8	0.00
55616 643-0.242	282.127	1 50/2	0.999738	141 11 22.99	4.0	0.00
133546 643-0.249	286.637	1 38/2	0.999743	332 46 26.61	3.2	0.00
260331 643-0.231	312.524	1 35/2	0.999740	359 29 16.78	3.1	0.00
12575 643-0.234	314.494	1 38/2	0.999741	59 48 14.90	2.9	0.00
4762 643-0.233	367.548	1 33/2	0.999742	45 54 13.33	2.6	0.00

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

Component      Magnitude    Std Dev

MARKER TYPE

Updated: 1980-05-23

Meridian Defl,XI(+N)      4.0    s      2    s  
Prime Vert Defl,ETA(+E)   5.1    s      2    s  
Geoid\_Ellip Separation -16.09 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: 1980-05-23

Originating Project      79032      79032  
Published      83-08-18    83-08-18

NW CORNER DEERMONT WAY AND DEERMONT WAY SE (NE LEG);  
0.05M N OF B.O.C. N; IN LINE WITH B.O.W. W PROD N;  
8.50M W OF CENTER OF DUAL CATCH BASIN.

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

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NON COORDINATE REVISIONS

1980-05-23    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

1989-03-28    1990-05-01

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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 # 56434    0 237

99-08-16

0.010 m    ELEVATION REVISED AND REINTEGRATED

HISTORY 643+00.237      56434    0 237