

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

Horz Datum NAD83      Updated: 1994-05-24  
Latitude    50 56 36.51687 dms  
Longitude   114 05 22.57394 dms  
Horz Class INTEGRATED    , ORDER 2

Marker Installed    77-03  
Date Printed        2025-08-03  
Last Updated        2019-03-25

ASCM            13961  
Tablet Markings    643-4.158  
Mapsheet Name      CALGARY F  
Mapsheet Number    5643 - 004

Vert Datum CVD28      Updated: 2001-02-07  
Elevation    1087.874 m  
Vert Class INTEGRATED    , SPIRIT LEVELS

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

Marker Condition    GOOD            89-03-07

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3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2019-03-25

Scale Factor    0.999900    At Ref Mer 114

Northing    5645236.900 m  
Easting     -6296.993 m  
Convergence   -0 04 10.49 dms  
Station Ellipsoid Factor 0.999832  
Station Combined Factor   0.999733

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev (m) (cm)	PPM/ Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
114330 643-4.157	212.646	1	42/2	0.999732	275 25 54.66	3.7	0.00
159939 643-4.94	239.673	1	38/2	0.999733	3 37 46.83	2.8	0.00
28209 643-4.156	276.619	1	43/2	0.999732	346 17 31.16	3.6	0.00
7914 643-4.88	354.234	1	37/2	0.999732	264 11 13.73	3.1	0.00
152223 643-4.30	414.313	1	39/2	0.999734	49 30 24.35	3.0	0.00
296616 643-4.27	418.250	1	55/2	0.999734	95 18 02.10	4.5	0.00

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

Component                    Magnitude    Std Dev

MARKER TYPE

Updated: 1977-09-02

Meridian Defl,XI(+N)      4.0    s      2    s  
Prime Vert Defl,ETA(+E)    6.5    s      2    s  
Geoid\_Ellip Separation -15.98 m      1    m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

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COORDINATE HISTORY                    HORZ                    VERT

Originating Project            77011            77011  
Published            83-08-03    83-08-03

Revising Project            NAD83            98017  
Published            94-05-24    01-02-07  
Revising Project  
Published  
Revising Project  
Published

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MARKER LOCATION

Updated: 1989-04-12

LOCATED ON THE SOUTH WEST CORNER OF CANTERBURY DRIVE AND SOUTH LEG OF CANOVA ROAD SOUTH WEST; 0.1 M SOUTH WEST OF BACK OF WALK ON CURVE; 1.4 M WEST OF BACK OF WALK ON THE WEST SIDE OF CANTERBURY DRIVE PRODUCED SOUTH; 4.0 M SOUTH OF BACK OF WALK SIDE OF CANOVA ROAD PRODUCED EAST; 3.5M SOUTH WEST OF CATCH BASIN.

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NON COORDINATE REVISIONS

1977-09-02    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.

1989-03-07    1989-04-12

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COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

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HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56434    4    158

VERT

01-02-07

0.015 m    ELEVATION REVISED AND REINTEGRATED

HISTORY 643-04.158            56434    4    158