

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 55 17.36654 dms  
Longitude 114 08 28.16586 dms  
Horz Class INTEGRATED , ORDER 3

Marker Installed 76-03  
Date Printed 2025-08-03  
Last Updated 2007-06-20

ASCM 13946  
Tablet Markings 76A017  
Mapsheet Name CALGARY F  
Mapsheet Number 5640 - 008

Vert Datum CVD28 Updated: 1983-04-30  
Elevation 1137.153 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 02-03-02

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2007-06-20

Scale Factor 0.999900 At Ref Mer 114

Northing 5642796.913 m  
Easting -9924.625 m  
Convergence -0 06 34.48 dms  
Station Ellipsoid Factor 0.999824  
Station Combined Factor 0.999726

ASCM Tablet To Markings	Horizontal Distance (m)(cm)	Std Dev Order	Grid/Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
42358 640-8.33	640.142	1 23/1	0.999725	176 48 17.71	1.7	0.02
79376 643-8.34	666.506	1 28/2	0.999729	358 25 57.64	2.3	-0.02
282178 640-8.37	876.690	1 18/1	0.999727	64 40 20.35	1.5	-0.01
221382 HILTON	1039.652	1 18/1	0.999723	216 02 23.38	1.4	0.02
21956 640-8.32	1253.351	1 13/1	0.999727	131 55 42.91	1.0	0.02
161265 640-8.9	1560.970	1 16/1	0.999724	269 42 40.44	1.4	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 2002-04-03

Meridian Defl,XI(+N) 4.4 s 2 s  
Prime Vert Defl,ETA(+E) 7.3 s 2 s  
Geoid\_Ellip Separation -15.81 m 1 m

DEEP BENCH-MARK IN MANHOLE

4 CM BGL, LANDSCAPED, 2 GP, IN MH+COVER.

COORDINATE HISTORY

MARKER LOCATION

Updated: 1990-09-05

Originating Project 77005 77005  
Published 83-04-30 83-04-30

IN MANHOLE NW CORNER OF 146 AVE.W. AND ORIGINAL 37 ST.SW. ROAD  
ALLOWANCE; 6.20M NORTH OF NORTH FENCE OF 146 AVE. S.W.; 61.4M NW  
OF C/L OF INTERSECTION WITH 37TH ST (MOST WESTERLY OF TWO INTER-  
SECTIONS); 8.30M EAST OF FENCE ON WESTSIDE OF 37 ST. S.W.

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

NOTE: BENCHMARK MONUMENT - NOT DESIGNED FOR HORIZONTAL STABILITY.  
HORIZONTAL POSITION APPROX. 2 CM.

NON COORDINATE REVISIONS

1977-04-20 FIRST MARKER LOCATION  
DESCRIPTION ENTERED  
2003-03-12 "MAPSHEET NAME" AND  
"MAPSHEET NO" CHANGED  
1992-12-16 NGDB NUMBER AND  
NGDB NAME ENTERED  
1990-07-12 DUPLICATE ASCM# 56556 FOR  
THIS MARKER DELETED

MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED IN GOOD CONDITION  
MARKER REPORTED IN GOOD CONDITION.  
MARKER REPORTED IN GOOD CONDITION

2002-03-02 2002-04-03  
1990-06-19 1990-07-17  
1990-05-10 1990-06-26

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56404 8 400 NGDB # 76A017  
NGDB NAME 76A017  
HISTORY 56404 8 400

ELEV FROM CCS QUAD BOOK (VERT CONTROL DATA)