

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 02 11.97936 dms
Longitude 114 02 50.50656 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 76-03
Date Printed 2025-08-03
Last Updated 2003-03-12

ASCM 612
Tablet Markings 76A010
Mapsheet Name CALGARY G
Mapsheet Number 5655 - 000

Vert Datum CVD28 Updated: 1999-06-21
Elevation 1071.181 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 86-09-08

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 1997-04-25

Scale Factor 0.999900 At Ref Mer 114

Northing 5655599.652 m
Easting -3321.815 m
Convergence -0 02 12.58 dms
Station Ellipsoid Factor 0.999835
Station Combined Factor 0.999735

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)
271924 2219.6	136.810	1	80/2	0.999739	117 17 45.88	6.7	0.00	
274779 221200	159.726	1	94/2	0.999735	32 34 48.01	5.6	0.00	
280446 2219.12	222.023	1	81/2	0.999738	127 01 32.35	4.9	0.00	
56721 2219.7	239.395	1	71/2	0.999735	53 51 55.83	4.8	0.00	
78923 220198	254.821	1	67/2	0.999736	197 23 55.91	3.6	0.00	
178830 D10	275.084	1	58/2	0.999736	25 25 24.68	3.5	0.00	

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

Component Magnitude Std Dev
Meridian Defl,XI(+N) 2.8 s 2 s
Prime Vert Defl,ETA(+E) 5.4 s 2 s
Geoid_Ellip Separation -16.23 m 1 m

MARKER TYPE

Updated: 2001-12-06

DEEP BENCH-MARK IN MANHOLE

COORDINATE HISTORY

Originating Project 77117 77117
Published 83-08-11 83-08-11
Revising Project NAD83 99101
Published 94-05-24 99-06-21
Revising Project
Published
Revising Project
Published

MARKER LOCATION

Updated: 1977-04-20

IN MANHOLE ON BURNS AVENUE SOUTH EAST AND WEST OF SALISBURY STREET
SOUTH EAST; ON SCOTCHMAN'S HILL WEST SIDE OF SALISBURY STREET AT BURNS
AVENUE SOUTH EAST; 21.5 M WEST OF FACE OF CURB WEST SIDE OF SALISBURY
STREET; 116 M SOUTH EAST OF SOUTH EAST CORNER OF PARK BENCH; ON BACK
OF WALK PRODUCED WEST.

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

NON COORDINATE REVISIONS

1977-04-20 FIRST MARKER LOCATION
DESCRIPTION ENTERED
2003-03-12 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED
1992-12-16 NGDB NUMBER AND
NGDB NAME ENTERED

MARKER CONDITION COMMENTS

Inspected Updated

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56554 0 400 NGDB # 76A010
NGDB NAME 76A010
HISTORY 56554 0 400

VERT

99-06-21 0.020 m ELEV REV-BETTER INTEGRATION TO CCS DBM NET