

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 12 32.70856 dms
Longitude 113 49 06.90202 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 75-03

ASCM 16477

Date Printed 2025-08-03
Last Updated 2020-07-10

Tablet Markings KATHY

Vert Datum CVD28 Updated: 1998-11-18
Elevation 1088.987 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Mapsheet Name CALGARY A
Mapsheet Number 5673 + 016

Marker Condition GOOD 97-03-16

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2020-07-10

Scale Factor 0.999900 At Ref Mer 114

Northing 5674794.673 m
Easting 12676.395 m
Convergence 0 08 29.05 dms
Station Ellipsoid Factor 0.999832
Station Combined Factor 0.999734

ASCM Tablet To Markings	Horizontal Distance (m)	Std Dev (cm)	PPM/Order	Grid/Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
220947 756026	5349.987	1	7/1	0.999733	237 48 16.61	0.6	-0.08
56028 756013	7748.261	1	5/1	0.999735	191 34 00.82	0.4	-0.23
245373 670+8.2	7856.155	1	4/1	0.999732	248 40 11.92	0.4	-0.07
34223 667+8.5	8048.807	1	4/1	0.999733	234 09 29.75	0.4	-0.13
258657 676+8.2	8424.514	1	5/1	0.999732	283 38 43.02	0.4	0.05
226662 756011	8610.978	1	5/1	0.999744	109 16 39.32	0.4	-0.11

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1995-01-17

Meridian Defl,XI(+N) 3.2 s 2 s
Prime Vert Defl,ETA(+E) 4.5 s 2 s
Geoid_Ellip Separation -16.84 m 1 m

GSC CAP IN 30 CM DIA CONCRETE CYLINDER 1.2 M LONG
10CM AGL, 1.0M NW OF GP (A SSMRK EXISTS)

COORDINATE HISTORY

MARKER LOCATION

Updated: 1995-01-17

Originating Project 76075 76075
Published 85-02-19 85-02-19

Revising Project NAD83 96005
Published 94-05-24 98-11-18
Revising Project 96055
Published 97-06-04
Revising Project
Published

LOCATED ALONG THE WEST BDY OF THE NW1/4 11-26-28-4; NEAR THE SUMMIT OF THE LOW KNOLL; FROM CALGARY DRIVE NORTH ON HWY #2 TO THE BALZAC TURN OFF, PROCEED EAST ON RD #566 FOR 12.39 KM, THEN TURN RIGHT AND PROCEED .6 KM SOUTH TO THE STATION SITE; CALGARY BASENET MARKER ASCM 374512 IS LOCATED 17M WEST OF MARKER ASCM 16477 (KATHY)
REF BY 2 REBARS, 1.2 M LONG, WITH SPLIT CAPS AND GP'S
REF 756003 A DIST 22.499 M AZ 235-36-00 DELE -0.4 M
REF 756003 B DIST 22.661 M AZ 305-27-00 DELE -0.8 M
STA-ROAD, CANA, OMA, GAY, ARDEN, SPARKS, BULL, DELA, BAL, ZAC & DRIE MAY BE SEEN FROM GRD.

NON COORDINATE REVISIONS

ID PHOTO: ROLL NW90981 FRAMES 25 & 26

1976-01-01 FIRST MARKER LOCATION DESCRIPTION ENTERED
2003-03-12 "MAPSHEET NAME" AND "MAPSHEET NO" CHANGED
2001-12-10 TABLET MARKINGS CHANGED FROM 756003
1995-01-17 SEE 'HISTORY'

MARKER CONDITION COMMENTS	Inspected	Updated
MARKER REPORTED IN GOOD CONDITION BY D MALTBY,CST OF RDD	1997-03-16	1997-04-01
FD IN GOOD COND.(RESTORED BY CITY OF CALGARY 94/06/15 ?)	1994-08-02	1995-01-17
MARKER REPORTED DESTROYED	1994-05-19	1994-09-30

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56733 16 1 NGBD # 756003
NGBD NAME KATHY
HISTORY 51112.34 56733 16 1

-0.197 m ERRONEOUS ELEVATION CORRECTED
0.670 m PREVIOUS TRIG ELEV REPLACED BY SPIRIT LEVEL