

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 58 07.71358 dms
Longitude 114 05 05.74507 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 73-05

ASCM 54411

Tablet Markings 646-4.242

Date Printed 2025-08-03
Last Updated 2003-03-12

Mapsheet Name CALGARY F
Mapsheet Number 5646 - 004

Vert Datum CVD28 Updated: 2001-02-07
Elevation 1067.416 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 93-08-20

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2001-02-07

Scale Factor 0.999900 At Ref Mer 114

Northing 5648054.396 m
Easting -5965.231 m
Convergence -0 03 57.50 dms
Station Ellipsoid Factor 0.999835
Station Combined Factor 0.999736

ASCM Tablet To Markings	Horizontal Distance (m)(cm)	Std Dev (s)	PPM/Order	Grid/Grnd Factor
43901 646-4.159	178.738	1	34/1	0.999733
60442 646-4.163	183.900	1	38/1	0.999735
118539 646-4.164	220.379	1	41/2	0.999736
231613 646-4.165	248.298	1	44/2	0.999738
170225 646-4.160	313.817	1	29/1	0.999735
266718 646-4.143	335.037	1	30/1	0.999736

Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
2 35 27.71	3.0	0.00
173 44 31.05	3.3	0.00
41 30 39.53	3.4	0.00
78 51 37.95	3.3	0.00
294 16 37.65	2.5	0.00
212 16 41.72	2.6	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1991-10-11

Meridian Defl,XI(+N) 3.6 s 2 s
Prime Vert Defl,ETA(+E) 6.3 s 2 s
Geoid_Ellip Separation -16.04 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
FLUSH W/GRND

COORDINATE HISTORY

MARKER LOCATION

Updated: 1991-10-11

Originating Project 73129 73129
Published 73-07-03 73-07-03

ON NW CORNER OF 96 AVE. AND ELBOW DR. SW.; 0.66 M. N OF F.O.W. ON N/S
OF 96 AVE. PROD. E.; 0.2 M. E OF B.O.W. ON W/S OF ELBOW DR. PROD. S.;
3.8 M. SW OF CROSS-WALK LIGHT STANDARD.

Revising Project NAD83 98017
Published 94-05-24 01-02-07
Revising Project 77030
Published 78-01-17
Revising Project
Published

NON COORDINATE REVISIONS

1973-05-30 FIRST MARKER LOCATION
DESCRIPTION ENTERED
2003-03-12 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED
1995-11-29 INSTALLATION DATE CHANGED
FROM 73-03

MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED IN GOOD CONDITION
MARKER REPORTED IN GOOD CONDITION

1993-08-20 1994-01-18
1990-09-17 1991-10-11

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56464 4 242

01-02-07 0.025 m ELEVATION REVISED AND REINTEGRATED
78-01-17 0.011 m ELEVATION REVISED AND REINTEGRATED

HISTORY 646-04.242 56464 4 242