

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 58 01.79971 dms
Longitude 114 05 04.70715 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 71-03

Date Printed 2025-08-03
Last Updated 2007-06-25

ASCM 60442

Tablet Markings 646-4.163

Mapsheet Name CALGARY F
Mapsheet Number 5646 - 004

Vert Datum CVD28 Updated: 2001-02-07
Elevation 1071.359 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 06-03-14

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2001-02-07

Scale Factor 0.999900 At Ref Mer 114

Northing 5647871.640 m
Easting -5945.190 m
Convergence -0 03 56.69 dms
Station Ellipsoid Factor 0.999835
Station Combined Factor 0.999735

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev (m) (cm)	PPM/ Grid/ Grnd Order Factor
54411 646-4.242	183.900	1	38/1 0.999735
266718 646-4.143	222.888	1	45/2 0.999738
251207 646-4.316	237.062	1	46/2 0.999738
254490 646-4.62	316.734	1	38/2 0.999735
231613 646-4.165	321.314	1	37/2 0.999735
43901 646-4.159	361.558	1	25/1 0.999734

Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
353 44 31.05	3.3	0.00
243 12 39.40	3.7	0.00
179 49 40.33	3.0	0.00
136 43 18.87	3.1	0.00
44 05 31.22	2.8	0.00
358 06 12.18	2.0	-0.01

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

Component Magnitude Std Dev

Meridian Defl, XI(+N) 3.7 s 2 s
Prime Vert Defl, ETA(+E) 6.4 s 2 s
Geoid_Ellip Separation -16.04 m 1 m

MARKER TYPE

Updated: 1972-07-11

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

Originating Project 72117 72117
Published 72-07-11 72-07-11

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

MARKER LOCATION

Updated: 2007-06-25

LOCATED IN BLVD ON E/SIDE OF RD IN FRONT OF HOUSE #9740 - ELBOW DR SW; 0.1 M W O
F FRONT OF SEP.W; 5.1 M S OF N P/L; 2 M N OF PRIVATE WALK C/L PROD W.

NON COORDINATE REVISIONS

1972-07-11 FIRST MARKER LOCATION
DESCRIPTION ENTERED
2003-03-12 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED IN GOOD CONDITION

2006-03-14 2007-06-25

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56464 4 163

VERT

01-02-07

0.011 m ELEVATION REVISED AND REINTEGRATED

HISTORY 646-04.163 56464 4 163