

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 57 49.84694 dms
Longitude 114 07 22.49748 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 73-03

ASCM 6684

Tablet Markings 646-8.58

Date Printed 2025-08-03
Last Updated 2018-02-13

Mapsheet Name CALGARY F
Mapsheet Number 5646 - 008

Vert Datum CVD28 Updated: 2001-02-07
Elevation 1108.621 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 91-12-04

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2018-02-13

Scale Factor 0.999900 At Ref Mer 114

Northing 5647506.094 m
Easting -8634.254 m
Convergence -0 05 43.71 dms
Station Ellipsoid Factor 0.999829
Station Combined Factor 0.999730

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)
112664 646-8.50	117.585	1	94/2	0.999723	8 23 14.95	5.7	0.00
74492 646-8.47	176.376	1	74/2	0.999725	6 24 52.87	4.8	0.00
58719 646-8.48	239.683	1	58/2	0.999728	29 00 47.17	4.4	0.00
288373 646-8.46	257.786	1	58/2	0.999729	336 34 23.46	4.4	-0.01
253732 646-8.21	388.636	1	33/2	0.999729	69 32 32.04	2.6	0.00
14134 646-8.60	403.574	1	35/2	0.999730	252 37 05.63	2.8	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1974-07-24

Meridian Defl,XI(+N) 3.8 s 2 s
Prime Vert Defl,ETA(+E) 6.9 s 2 s
Geoid_Ellip Separation -15.95 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

MARKER LOCATION

Updated: 1991-03-08

Originating Project 74116 74116
Published 83-04-29 83-04-29

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

N.W. CORNER OF 26 STREET & OAKMOOR DRIVE, S.W.;
2.70M NORTH OF NORTH B.O.W. PROD. EAST;
2.90M WEST OF WEST B.O.W. PROD. SOUTH;
0.08M N.W. OF B.O.W. ON CURVE.

NON COORDINATE REVISIONS

1974-07-24 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
MARKER REPORTED IN GOOD CONDITION

1991-12-04 1992-01-23
1990-05-03 1991-03-08

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56464 8 58

01-02-07

0.017 m ELEVATION REVISED AND REINTEGRATED

HISTORY 646-08.58 56464 8 58