

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 05 06.93773 dms
Longitude 113 57 51.90346 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 75-03

ASCM 52555

Tablet Markings 658+4.167

Date Printed 2025-08-03
Last Updated 2007-06-20

Mapsheet Name CALGARY B
Mapsheet Number 5661 + 004

Vert Datum CVD28 Updated: 1999-10-21
Elevation 1097.257 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 88-09-23

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2007-06-20

Scale Factor 0.999900 At Ref Mer 114

Northing 5661005.319 m
Easting 2492.970 m
Convergence 0 01 39.67 dms
Station Ellipsoid Factor 0.999831
Station Combined Factor 0.999731

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev (m) (cm)	PPM/ Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
113829 658+4.181	141.387	1	71/2	0.999731	96 42 04.04	5.8	0.00
103226 658+4.165	200.958	1	45/2	0.999731	169 31 50.43	3.7	0.00
138362 658+4.169	210.783	1	43/2	0.999732	256 53 37.26	3.2	0.00
85001 658+4.173	245.443	1	37/2	0.999731	208 49 12.59	3.1	0.00
170951 658+4.164	295.575	1	34/2	0.999731	168 59 21.75	2.8	0.00
3475 658+4.176	316.409	1	35/2	0.999731	92 14 58.16	2.8	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1976-12-01

Meridian Defl,XI(+N) 2.6 s 2 s
Prime Vert Defl,ETA(+E) 4.4 s 2 s
Geoid_Ellip Separation -16.43 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

MARKER LOCATION

Updated: 1988-11-18

Originating Project 76030 76030
Published 76-03-01 76-03-01

LOCATED ON THE SOUTH WEST CORNER OF 48 STREET AND WHITEHORN DRIVE NORTH EAST;
AT INTERSECTION OF BACK OF WALK'S; 6.0' SOUTH OF TWIN CATCH BASINS.

Revising Project NAD83 98015
Published 94-05-24 99-10-21
Revising Project
Published
Revising Project
Published

NON COORDINATE REVISIONS

1976-12-01 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.

1988-09-23 1988-11-18

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56583 4 167

99-10-21

0.023 m REVISED ELEVATION-BETTER INTEGRATION

HISTORY 658+04.167 56583 4 167