

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 00 18.29623 dms
Longitude 113 59 22.74967 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 73-03
Date Printed 2025-08-03
Last Updated 2006-06-28

ASCM 45567
Tablet Markings 649+4.23
Mapsheet Name CALGARY B
Mapsheet Number 5652 + 004

Vert Datum CVD28 Updated: 1999-08-16
Elevation 1043.420 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 06-05-08

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2006-06-28

Scale Factor 0.999900 At Ref Mer 114

Northing 5652085.904 m
Easting 726.205 m
Convergence 0 00 28.95 dms
Station Ellipsoid Factor 0.999839
Station Combined Factor 0.999739

| ASCM Tablet To Markings | Horizontal Distance (m) | Std Dev (cm) | PPM/ Order | Grid/ Factor | Grnd Bearing (dms) | Grid Dev (s) | Std Dev (s) | T-t Corr (s) |
|----------------------------|----------------------------|-----------------|---------------|-----------------|--------------------------|--------------------|-------------------|--------------------|
| 20834 652+4.115 | 177.959 | 1 | 62/2 | 0.999739 | 8 18 57.65 | 3.9 | 0.00 | |
| 39909 649+4.24 | 279.329 | 1 | 36/2 | 0.999736 | 283 39 15.55 | 2.8 | 0.00 | |
| 38158 649+4.86 | 322.042 | 1 | 40/2 | 0.999740 | 148 52 31.78 | 3.4 | 0.00 | |
| 266817 652+4.116 | 327.492 | 1 | 37/2 | 0.999740 | 60 22 08.90 | 3.0 | 0.00 | |
| 228148 649+4.30 | 335.337 | 1 | 39/2 | 0.999739 | 163 26 47.50 | 3.2 | 0.00 | |
| 228106 649+4.85 | 441.503 | 1 | 34/2 | 0.999739 | 140 58 20.87 | 2.7 | 0.00 | |

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 2006-06-28

Meridian Defl,XI(+N) 3.1 s 2 s
Prime Vert Defl,ETA(+E) 4.4 s 2 s
Geoid_Ellip Separation -16.28 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
35 CM BGL.

COORDINATE HISTORY

MARKER LOCATION

Updated: 1991-10-10

Originating Project 73119 73119
Published 83-03-05 83-03-05

ON NW CORNER OF 54 AVE. AND 30 ST. S.E.; 4.0 M. W OF F.O.C. ON W/S OF
30 ST. PROD S.; 8.4 M. N OF F.O.C. ON N/S OF 54 AVE. PROD. E; 8.3 M.
NE OF POWER LINE.

Revising Project NAD83 98014
Published 94-05-24 99-08-16
Revising Project
Published
Revising Project
Published

NON COORDINATE REVISIONS

1974-03-13 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

2006-05-08 2006-06-28
1990-12-13 1991-10-10

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56493 4 23

99-08-16

0.017 m ELEVATION REVISED AND REINTEGRATED

HISTORY 649+04.23 56493 4 23