

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 58 39.89016 dms
Longitude 114 03 06.88398 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 72-03

ASCM 46078

Tablet Markings 646-0.85

Date Printed 2025-08-03
Last Updated 2013-01-17

Mapsheet Name CALGARY F
Mapsheet Number 5649 - 000

Vert Datum CVD28 Updated: 1999-08-16
Elevation 1051.275 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 93-03-31

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2013-01-17

Scale Factor 0.999900 At Ref Mer 114

Northing 5649046.471 m
Easting -3645.495 m
Convergence -0 02 25.19 dms
Station Ellipsoid Factor 0.999838
Station Combined Factor 0.999738

| ASCM Tablet To Markings | Horizontal Distance (m) (cm) | Std Dev Order | Grid/ Grnd Factor | Grid Bearing (dms) | Std Dev (s) | T-t Corr (s) |
|----------------------------|---------------------------------|------------------|----------------------|--------------------------|-------------------|--------------------|
| 199240 646-0.89 | 204.052 | 1 44/2 | 0.999738 | 168 30 04.88 | 3.1 | 0.00 |
| 205260 646-0.86 | 214.218 | 1 37/1 | 0.999738 | 63 54 38.82 | 3.2 | 0.00 |
| 51698 646-0.87 | 254.396 | 1 39/2 | 0.999739 | 92 24 53.39 | 3.2 | 0.00 |
| 274647 646-0.84 | 270.028 | 1 52/2 | 0.999738 | 255 01 48.35 | 4.3 | 0.00 |
| 8755 76A013 | 308.244 | 1 36/2 | 0.999736 | 14 35 03.08 | 2.9 | 0.00 |
| 124537 646+00.88 | 318.240 | 1 31/1 | 0.999737 | 132 17 10.94 | 2.7 | 0.00 |

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1993-07-07

Meridian Defl, XI(+N) 3.4 s 2 s
Prime Vert Defl, ETA(+E) 5.6 s 2 s
Geoid_Ellip Separation -16.13 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
2 CM BGL, LANDSCAPED

COORDINATE HISTORY HORZ VERT

MARKER LOCATION

Updated: 1993-07-07

Originating Project 72114 72114
Published 83-03-03 83-03-03

ON THE SE CORNER OF ASHWORTH ROAD AND AMBER AVENUE S.E.; 2.20 M EAST OF B.O.W.
PRODUCED NORTH; 2.80 M SOUTH OF B.O.W. PRODUCED WEST; 0.20 M NE OF B.O.W. ON
CURVE.

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

NON COORDINATE REVISIONS

1972-11-28 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

1993-03-31 1993-07-07

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56464 0 85

99-08-16

0.011 m ELEVATION REVISED AND REINTEGRATED

HISTORY 646+00.85 56464 0 85