

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 58 19.71515 dms
Longitude 114 06 12.46868 dms
Horz Class INTEGRATED , ORDER 3

Marker Installed 77-03

ASCM 3103

Tablet Markings 646-4.304

Date Printed 2025-08-03
Last Updated 2005-08-02

Mapsheet Name CALGARY F
Mapsheet Number 5646 - 004

Vert Datum CVD28 Updated: 2001-02-07
Elevation 1079.610 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 90-10-12

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2005-08-02

Scale Factor 0.999900 At Ref Mer 114

Northing 5648426.895 m
Easting -7266.520 m
Convergence -0 04 49.35 dms
Station Ellipsoid Factor 0.999833
Station Combined Factor 0.999734

| ASCM Tablet To Markings | Horizontal Distance (m) (cm) | Std Dev Order | Grid/ Grnd Factor | Grid Bearing (dms) | Std Dev (s) | T-t Corr (s) |
|----------------------------|---------------------------------|------------------|----------------------|--------------------------|-------------------|--------------------|
| 95380 646-4.267 | 194.150 | 1 67/2 | 0.999734 | 195 48 55.01 | 5.8 | 0.00 |
| 40063 646-4.233 | 234.097 | 1 47/2 | 0.999737 | 43 59 15.96 | 3.8 | 0.00 |
| 5470 646-4.309 | 268.176 | 1 56/2 | 0.999732 | 191 19 16.95 | 4.5 | 0.00 |
| 62000 646-4.225 | 289.374 | 1 38/2 | 0.999732 | 227 12 44.66 | 3.3 | 0.00 |
| 98061 646-4.266 | 341.108 | 1 44/2 | 0.999731 | 190 45 11.85 | 3.6 | 0.01 |
| 19851 | 369.244 | 1 168/3 | 0.999729 | 264 43 23.66 | 13.6 | 0.00 |

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1991-10-17

Meridian Defl,XI(+N) 3.7 s 2 s
Prime Vert Defl,ETA(+E) 6.6 s 2 s
Geoid_Ellip Separation -16.01 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
FLUSH W/GRND

COORDINATE HISTORY HORZ VERT

MARKER LOCATION

Updated: 1991-10-17

Originating Project 77030 77030
Published 78-01-17 78-01-17

ON S/S OF 90 AVE. S.W. AND E OF BAYCROFT RD. S.W.; 0.57 M. S OF B.O.C.
ON S/S OF 90 AVE.; 62.0 M. E OF B.O.W. ON E/S PROD. S.; 6.2 M. NW OF F.H.

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

NON COORDINATE REVISIONS

1978-01-31 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

1990-10-12 1991-10-17

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56464 4 304

01-02-07

0.016 m ELEVATION REVISED AND REINTEGRATED

HISTORY 646-04.304 56464 4 304