

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 04 20.11364 dms
Longitude 114 05 06.14260 dms
Horz Class INTEGRATED , ORDER 4

Marker Installed 71-03
Date Printed 2025-08-03
Last Updated 2006-06-28

ASCM 24885
Tablet Markings 658-4.153
Mapsheet Name CALGARY G
Mapsheet Number 5658 - 004

Vert Datum CVD28 Updated: 1999-10-21
Elevation 1095.705 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 93-04-07

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2006-06-28

Scale Factor 0.999900 At Ref Mer 114

Northing 5659561.310 m
Easting -5959.710 m
Convergence -0 03 58.16 dms
Station Ellipsoid Factor 0.999831
Station Combined Factor 0.999731

| ASCM Tablet To Markings | Horizontal Distance (m) (cm) | Std Dev Order | Grid/ Grnd Factor | Grid Bearing (dms) | Std Dev (s) | T-t Corr (s) |
|----------------------------|---------------------------------|------------------|----------------------|--------------------------|-------------------|--------------------|
| 225888 | 124.363 | 1 359/4 | 0.999731 | 2 37 19.81 | 15.3 | 0.00 |
| 124693 658-4.154 | 132.412 | 1 91/2 | 0.999730 | 277 25 08.40 | 4.5 | 0.00 |
| 259184 658-4.146 | 200.939 | 1 60/2 | 0.999733 | 174 02 10.32 | 3.4 | 0.00 |
| 197707 658-4.157 | 229.268 | 1 48/2 | 0.999734 | 14 07 10.37 | 3.3 | 0.00 |
| 107417 658-4.147 | 333.290 | 1 39/2 | 0.999730 | 127 04 07.37 | 3.2 | 0.00 |
| 93724 658-4.158 | 340.616 | 1 38/2 | 0.999731 | 50 40 55.51 | 3.2 | 0.00 |

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

Component Magnitude Std Dev
Meridian Defl,XI(+N) 2.5 s 2 s
Prime Vert Defl,ETA(+E) 6.0 s 2 s
Geoid_Ellip Separation -16.21 m 1 m

MARKER TYPE

Updated: 1993-07-07

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

MARKER LOCATION

Updated: 1993-07-07

ON THE SW CORNER OF 22 AVENUE AND 10 STREET N.W.; 1.4 M SOUTH OF B.O.W.
PRODUCED EAST; 0.90 M WEST OF BACK OF SEP. WALK PRODUCED NORTH; 2.5 M NW OF
LT.S.

COORDINATE HISTORY

Originating Project 71101 71101
Published 71-03-01 71-03-01

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

NON COORDINATE REVISIONS

1972-01-25 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

1993-04-07 1993-07-07

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56584 4 153

VERT

99-10-21

0.028 m REVISED ELEVATION-BETTER INTEGRATION

HISTORY 658-04.153 56584 4 153