

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 04 14.25627 dms
Longitude 114 06 29.38954 dms
Horz Class INTEGRATED , ORDER 3

Marker Installed 71-03
Date Printed 2025-08-03
Last Updated 2024-12-05

ASCM 15065
Tablet Markings 658-4.89
Mapsheet Name CALGARY G
Mapsheet Number 5658 - 004

Vert Datum CVD28 Updated: 2000-06-15
Elevation 1097.425 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition DESTROYED 24-11-13

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2021-11-15

Scale Factor 0.999900 At Ref Mer 114

Northing 5659382.445 m
Easting -7580.553 m
Convergence -0 05 02.91 dms
Station Ellipsoid Factor 0.999831
Station Combined Factor 0.999731

| ASCM Tablet To Markings | Horizontal Distance (m)(cm) | Std Dev (s) | PPM/ Order | Grid/ Grnd Factor | Grid Bearing (dms) | Std Dev (s) | T-t Corr (s) |
|----------------------------|--------------------------------|----------------|------------|----------------------|--------------------------|-------------------|--------------------|
| 265751 658-4.88 | 138.677 | 1 | 58/2 | 0.999732 | 259 21 58.88 | 4.5 | 0.00 |
| 111617 658-4.99 | 185.280 | 1 | 43/2 | 0.999733 | 5 59 06.39 | 3.7 | 0.00 |
| 130534 658-4.98 | 232.587 | 1 | 39/2 | 0.999732 | 31 21 05.79 | 3.3 | 0.00 |
| 5017 658-4.100 | 331.338 | 1 | 33/2 | 0.999732 | 329 56 52.81 | 2.8 | -0.01 |
| 193169 658-4.101 | 333.256 | 1 | 33/2 | 0.999731 | 312 33 57.54 | 2.7 | 0.00 |
| 99887 658-4.78 | 432.025 | 1 | 37/2 | 0.999731 | 189 37 49.06 | 3.1 | 0.01 |

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1993-07-06

Meridian Defl,XI(+N) 2.6 s 2 s
Prime Vert Defl,ETA(+E) 6.3 s 2 s
Geoid_Ellip Separation -16.16 m 1 m

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

COORDINATE HISTORY

MARKER LOCATION

Updated: 1993-07-06

Originating Project 71103 71103
Published 84-01-07 84-01-07

ON THE NW CORNER OF 20 AVENUE AND 20 STREET N.W.; 1.0 M SOUTH OF FACE OF
SEP.W.; 5.2 M WEST OF F.O.C. PRODUCED SOUTH; 6.7 M SW OF LT.S.

Revising Project NAD83 98016
Published 94-05-24 00-06-15
Revising Project
Published
Revising Project
Published

NON COORDINATE REVISIONS

1971-12-20 FIRST MARKER LOCATION
DESCRIPTION ENTERED
2003-03-12 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

| Inspected | Updated |
|------------|------------|
| 2024-11-13 | 2024-12-05 |
| 2008-08-15 | 2008-10-03 |
| 1993-02-10 | 1993-07-06 |

MARKER REPORTED AS NOT FOUND - SIDEWALK CONST.
MARKER REPORTED IN GOOD CONDITION
MARKER REPORTED IN GOOD CONDITION

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56584 4 89

00-06-15

0.021 m REVISED ELEVATION-BETTER INTEGRATION

HISTORY 658-04.89 56584 4 89