

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 05 35.82471 dms
Longitude 114 05 12.40037 dms
Horz Class INTEGRATED , ORDER 3

Marker Installed 71-03

Date Printed 2025-08-03
Last Updated 2015-04-10

ASCM 12138

Tablet Markings 661-4.76

Mapsheet Name CALGARY G
Mapsheet Number 5661 - 004

Vert Datum CVD28 Updated: 1999-10-21
Elevation 1124.437 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 15-01-20

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2006-06-28

Scale Factor 0.999900 At Ref Mer 114

Northing 5661900.897 m
Easting -6078.774 m
Convergence -0 04 03.10 dms
Station Ellipsoid Factor 0.999826
Station Combined Factor 0.999727

| ASCM Tablet To Markings | Horizontal Distance (m) (cm) | Std Dev (m) (cm) | PPM/ Order | Grid/ Grnd Factor | Grid Bearing (dms) | Std Dev (s) | T-t Corr (s) |
|----------------------------|---------------------------------|---------------------|------------|----------------------|--------------------------|-------------------|--------------------|
| 72314 661-4.85 | 184.852 | 1 | 76/2 | 0.999729 | 122 34 08.55 | 4.0 | 0.00 |
| 153700 661-4.73 | 202.931 | 1 | 69/2 | 0.999725 | 315 35 43.14 | 4.1 | 0.00 |
| 237826 661-4.71 | 219.929 | 1 | 73/2 | 0.999725 | 274 35 43.77 | 6.2 | 0.00 |
| 203935 661-4.75 | 268.686 | 1 | 48/2 | 0.999726 | 42 36 57.90 | 3.1 | 0.00 |
| 234864 661-4.74 | 292.172 | 1 | 55/2 | 0.999728 | 356 15 22.47 | 4.4 | 0.00 |
| 253005 661-4.86 | 341.224 | 1 | 47/2 | 0.999727 | 69 28 29.84 | 3.9 | 0.00 |

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1972-01-25

Meridian Defl, XI(+N) 2.4 s 2 s
Prime Vert Defl, ETA(+E) 6.0 s 2 s
Geoid_Ellip Separation -16.23 m 1 m

ASC CAP SET IN CONCRETE SIDEWALK

COORDINATE HISTORY

MARKER LOCATION

Updated: 1994-01-21

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

ON TOP OF PEDESTRAIN OVERPASS OVER JOHN LAURIE BLVD. AT
HURON AVE. NW; 10.0 M E OF B.O.R.C.; 6.10 M N OF B.O.W.
N/S PROD. W; 0.80 M S OF E-W RAIL; 0.90 M W OF RAIL.

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 | 2015-01-20 | 2015-04-10 |
| MARKER REPORTED IN GOOD CONDITION | 2009-09-29 | 2009-11-02 |
| MARKER REPORTED IN GOOD CONDITION | 1993-07-16 | 1994-01-21 |
| MARKER REPORTED IN GOOD CONDITION | 1988-11-02 | 1989-05-02 |

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56614 4 76

99-10-21

0.044 m REVISED ELEVATION-BETTER INTEGRATION

HISTORY 661-04.76 56614 4 76