

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 07 22.47425 dms
Longitude 114 11 22.28255 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 78-03

ASCM 55236

Tablet Markings 664-12.112

Date Printed 2025-08-03
Last Updated 2011-01-05

Mapsheet Name CALGARY G
Mapsheet Number 5664 - 012

Vert Datum CVD28 Updated: 2000-06-15
Elevation 1176.360 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 87-12-04

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2011-01-05

Scale Factor 0.999900 At Ref Mer 114

Northing 5665209.845 m
Easting -13267.557 m
Convergence -0 08 51.15 dms
Station Ellipsoid Factor 0.999818
Station Combined Factor 0.999720

| 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) |
|----------------------------|---------------------------------|---------------------|------------|----------------------|--------------------------|-------------------|--------------------|
| 19596 664-12.113 | 143.033 | 1 | 91/2 | 0.999722 | 169 32 09.71 | 7.4 | 0.00 |
| 205450 664-12.99 | 144.756 | 1 | 83/2 | 0.999718 | 192 45 23.08 | 5.0 | 0.00 |
| 137570 664-12.114 | 176.641 | 1 | 85/2 | 0.999721 | 143 16 22.07 | 6.4 | 0.00 |
| 38810 664-12.120 | 204.538 | 1 | 73/2 | 0.999721 | 316 46 35.53 | 5.8 | -0.01 |
| 145854 664-12.86 | 214.390 | 1 | 56/2 | 0.999721 | 355 37 55.08 | 4.2 | -0.01 |
| 257170 664-12.85 | 254.964 | 1 | 51/2 | 0.999718 | 8 26 44.09 | 4.0 | -0.01 |

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1979-08-16

Meridian Defl,XI(+N) 2.2 s 2 s
Prime Vert Defl,ETA(+E) 6.8 s 2 s
Geoid_Ellip Separation -16.04 m 1 m

ASC BRASS TABLET ON TOP OF 5.1 CM X 1.8M STEEL PIPE.

COORDINATE HISTORY

MARKER LOCATION

Updated: 1979-08-16

Originating Project 78016 78016
Published 83-07-27 83-07-27

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

LOCATED AT THE NORTH EAST CORNER OF INTERSECTION OF RANCHERO DRIVE
AND 100 RANCHERO PLACE NORTH WEST; 0.2 M NORTH OF FACE OF CURB ON
CURVE IN GRASSED BOULEVARD; 3.7 M EAST OF BACK OF WALK EAST OF
RANCHERO DRIVE; 0.6 M NORTH OF FACE OF CURB NORTH OF 100 RANCHERO
PLACE PRODUCED WEST; 10.7 M SOUTH EAST OF A HYDANT; 21.3 M NORTH EAST
OF CENTRE OF CATCH BASIN SITUATED ON WEST SIDE OF RANCHERO DRIVE
NORTH WEST.

NON COORDINATE REVISIONS

1979-08-16 FIRST MARKER LOCATION
DESCRIPTION ENTERED
2003-03-12 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56644 12 112

00-06-15

0.025 m REVISED ELEVATION-BETTER INTEGRATION

HISTORY

56644 12 112