

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 58 07.24736 dms
Longitude 114 02 30.67427 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 72-03
Date Printed 2025-08-03
Last Updated 2013-01-17

ASCM 15396
Tablet Markings 646+00.112
Mapsheet Name CALGARY F
Mapsheet Number 5646 - 000

Vert Datum CVD28 Updated: 1999-08-16
Elevation 1045.408 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 10-07-11

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2013-01-17

Scale Factor 0.999900 At Ref Mer 114

Northing 5648037.390 m
Easting -2939.735 m
Convergence -0 01 57.04 dms
Station Ellipsoid Factor 0.999839
Station Combined Factor 0.999739

| ASCM Tablet To Markings | Horizontal Distance (m)(cm) | Std Dev Order | Grid/ Grnd Factor | Grid Bearing (dms) | Std Dev (s) | T-t Corr (s) |
|----------------------------|--------------------------------|------------------|----------------------|--------------------------|-------------------|--------------------|
| 127167 646+00.111 | 131.511 | 1 114/2 | 0.999733 | 267 11 16.94 | 5.3 | 0.00 |
| 224170 646+00.109 | 407.645 | 1 47/2 | 0.999738 | 210 10 01.92 | 3.9 | 0.00 |
| 778 646+00.114 | 408.423 | 1 44/2 | 0.999737 | 345 25 04.16 | 3.3 | 0.00 |
| 93062 646+00.101 | 469.890 | 1 40/2 | 0.999738 | 281 01 19.33 | 3.4 | 0.00 |
| 218891 2214.4 | 480.114 | 1 42/2 | 0.999740 | 184 49 17.88 | 3.5 | 0.00 |
| 176073 646-0.106 | 506.582 | 1 36/2 | 0.999737 | 248 05 05.70 | 2.9 | 0.00 |

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 2010-08-31

Meridian Defl,XI(+N) 3.5 s 2 s
Prime Vert Defl,ETA(+E) 5.5 s 2 s
Geoid_Ellip Separation -16.13 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
10 CM BGL, 0.30 M EAST OF GP

COORDINATE HISTORY

MARKER LOCATION

Updated: 1972-11-28

Originating Project 72113 72113
Published 72-11-20 72-11-20
Revising Project NAD83 98014
Published 94-05-24 99-08-16
Revising Project
Published
Revising Project
Published

ON THE EAST SIDE OF LANE AT THE REAR OF HOUSE NO.9504 - ACADEMY DRIVE SE;
4.2 M NORTH OF THE SOUTH PROPERTY LINE FENCE OF HOUSE NO.9504 PRODUCED EAST;
0.60 M WEST OF CABLE FENCE ON THE EAST SIDE OF LANE ; 4.35 M NORTH OF POWER
POLE (NORTH - SOUTH POWER LINE).

NON COORDINATE REVISIONS

1972-11-28 FIRST MARKER LOCATION
DESCRIPTION ENTERED
2003-03-12 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED
1993-01-22 TABLET MARKINGS CHANGED FROM
646+00112

MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED IN GOOD CONDITION
MARKER REPORTED IN GOOD CONDITION

2010-07-11 2010-08-31
1993-03-26 1993-07-07

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56464 0 112

99-08-16

0.010 m ELEVATION REVISED AND REINTEGRATED

HISTORY 646+00.112 56464 0 112