

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 51 04 38.74873 dms  
Longitude 114 14 34.09598 dms  
Horz Class INTEGRATED , ORDER 3

Marker Installed 74-03  
Date Printed 2025-08-03  
Last Updated 2020-01-09

ASCM 41418  
Tablet Markings 658-16.5  
Mapsheet Name CALGARY G  
Mapsheet Number 5658 - 016

Vert Datum CVD28 Updated: 2000-06-15  
Elevation 1270.924 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 90-05-17

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2020-01-09

Scale Factor 0.999900 At Ref Mer 114

Northing 5660161.734 m  
Easting -17014.211 m  
Convergence -0 11 20.04 dms  
Station Ellipsoid Factor 0.999803  
Station Combined Factor 0.999707

ASCM Tablet To Markings	Horizontal Distance (m)	Std Dev (cm)	PPM/Order	Grid/Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
943324 943324	497.203	1	20/1	0.999707	283 12 33.48	1.7	0.00
119602 658-16.7	1021.574	1	24/2	0.999707	191 53 58.92	2.0	0.04
265926 658-16.10	1030.690	1	13/1	0.999707	286 03 57.99	1.1	-0.01
656538 656538	1305.043	1	10/1	0.999717	343 45 57.23	0.8	-0.05
159475	1363.925	1	95/3	0.999691	246 37 50.00	5.4	0.02
569582 569582	1551.333	1	12/1	0.999709	114 07 50.69	1.0	0.03

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1989-09-20

Meridian Defl,XI(+N) 2.8 s 2 s  
Prime Vert Defl,ETA(+E) 7.2 s 2 s  
Geoid\_Ellip Separation -15.85 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG  
0.9' SOUTH EAST OF MP.

COORDINATE HISTORY

MARKER LOCATION

Updated: 1990-07-10

Originating Project 75119 75119  
Published 83-08-17 83-08-17  
Revising Project NAD83 98016  
Published 94-05-24 00-06-15  
Revising Project 90047  
Published 91-06-04  
Revising Project  
Published

LOCATED AT THE NORTH EAST 1/4 OF SEC 29-24-2-W5; 1126' WEST OF THE EAST SECTION LINE OF SECTION 29 (101 STREET NORTH WEST); 105.0' NORTH OF AN EAST WEST 1/4 LINE OF SECTION 29; 160.0' EAST OF FENCE ON THE EAST SIDE OF ENTRANCE ROAD TO MARTIN'S FARM HOUSE.

PERMISSION NEEDED FROM BURNCO GRAVEL PIT TO ENTER PROPERTY

NON COORDINATE REVISIONS

1975-10-07 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 1990-05-17 1990-07-10  
MARKER REPORTED IN GOOD CONDITION. 1989-03-28 1989-09-20

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56584 16 5

00-06-15 0.028 m REVISED ELEVATION-BETTER INTEGRATION  
91-06-04 -0.704 m PREVIOUS TRIG ELEV REPLACED BY SPIRIT LEVEL

HISTORY 56584 16 5