

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 04 02.75338 dms
Longitude 114 15 52.44050 dms
Horz Class INTEGRATED , ORDER 4

Marker Installed 27-03

ASCM 36004

Tablet Markings 27609

Date Printed 2025-08-03
Last Updated 2016-04-08

Mapsheet Name CALGARY K
Mapsheet Number 5658 - 016

Vert Datum CVD28 Updated: 2000-06-15
Elevation 1288.236 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 95-08-28

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2016-04-08

Scale Factor 0.999900 At Ref Mer 114

Northing 5659054.748 m
Easting -18543.174 m
Convergence -0 12 20.89 dms
Station Ellipsoid Factor 0.999801
Station Combined Factor 0.999705

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)
159475	630.607	1	198/4	0.999689	26 05 49.24	4.2	-0.03
119602 658-16.7	1323.154	1	21/1	0.999706	85 19 53.81	1.8	0.00
265926 658-16.10	1493.217	1	13/1	0.999706	21 09 30.91	1.1	-0.06
943324 943324	1607.311	1	12/1	0.999706	40 34 13.15	1.1	-0.06
41418 658-16.5	1888.185	1	11/1	0.999706	54 05 42.18	0.9	-0.05
44651 658-16.11	1999.789	1	11/1	0.999711	321 05 46.16	0.7	-0.07

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1995-11-01

Meridian Defl,XI(+N) 3.0 s 2 s
Prime Vert Defl,ETA(+E) 7.4 s 2 s
Geoid_Ellip Separation -15.79 m 1 m

GSC BRASS TABLET IN A 30 X 122CM CONC COL, WITH A SSMRK.
20 CM AGL. 2 G.P.'S

COORDINATE HISTORY

MARKER LOCATION

Updated: 1989-09-20

Originating Project 26001 26001
Published 27-12-01 27-12-01

LOCATED ON THE HIGHEST POINT OF LAND IN THE SOUTH EAST 1/4 OF SEC 30-24-2-W5
ON PROPERTY OWNED BY DR. D. ASHFORD; 23.0 M NORTH OF AN EAST WEST ROAD
ALLOWANCE; ON THE WEST SIDE OF LANE APPROX. 107 M NORTH WEST OF GATE.

Revising Project NAD83 98016
Published 94-05-24 00-06-15
Revising Project 90047
Published 91-06-04
Revising Project
Published

REF A IS A REF TABLET STAMPED 27609A, IN A 15.24 CM CONCRETE COL NEAR A FENCE
REF B IS DESTROYED; TOWER 14.2 M.
REF A: AZ 171-40-49.021 DIST 29.244 M DELE. -2.100 M

I.D. PHOTO: A21737-180,181 AND AS 1427-112,113.

NON COORDINATE REVISIONS

1927-12-01 FIRST MARKER LOCATION
DESCRIPTION ENTERED
2003-03-12 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

Marker Condition Comments	Inspected	Updated
MARKER REPORTED IN GOOD CONDITION	1995-08-28	1995-11-01
MARKER REPORTED IN GOOD CONDITION	1994-05-18	1995-02-03
MARKER REPORTED IN GOOD CONDITION.	1990-02-07	1990-05-24
MARKER REPORTED IN GOOD CONDITION.	1989-04-06	1989-09-20

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56584 16 1 NGBD # 27609
NGBD NAME BRUSHY RIDGE
HISTORY 51114.1

VERT

00-06-15 0.031 m REVISED ELEVATION-BETTER INTEGRATION
91-06-04 0.199 m PREVIOUS TRIG ELEV REPLACED BY SPIRIT LEVEL