

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 51 04 01.35449 dms  
Longitude 113 54 15.34171 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 74-03

ASCM 38133

Tablet Markings 658+8.3

Date Printed 2025-08-03  
Last Updated 2017-03-20

Mapsheet Name CALGARY B  
Mapsheet Number 5658 + 008

Vert Datum CVD28 Updated: 1999-10-21  
Elevation 1072.161 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 95-08-01

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated:

Scale Factor 0.999900 At Ref Mer 114

Northing 5658982.581 m  
Easting 6710.253 m  
Convergence 0 04 28.10 dms  
Station Ellipsoid Factor 0.999835  
Station Combined Factor 0.999735

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)
696195 696195	1479.676	1	9/1	0.999736	280 33 38.10	0.8	0.00
30056	1591.643	1	33/2	0.999731	344 42 41.91	2.0	0.03
243444 655+8.109	1621.578	1	9/1	0.999736	235 32 27.91	0.7	-0.01
24612 658+8.92	1660.309	1	8/1	0.999736	251 48 09.08	0.7	-0.01
701656 701656	1661.807	1	8/1	0.999736	291 07 38.87	0.7	0.01
782730 782730	1667.073	1	8/1	0.999735	285 55 35.48	0.7	0.01

GEOID DATA (GSD95) Updated: 17-03-20

Component Magnitude Std Dev

Meridian Defl,XI(+N) 3.0 s 2 s  
Prime Vert Defl,ETA(+E) 3.6 s 2 s  
Geoid\_Ellip Separation -16.49 m 1 m

MARKER TYPE

Updated: 1991-08-01

ASC CAP SET IN CONCRETE ABUTMENT

FLUSH W/GRND

COORDINATE HISTORY

HORZ

VERT

Originating Project 75117 75117  
Published 83-07-26 83-07-26

Revising Project NAD83 98015  
Published 94-05-24 99-10-21  
Revising Project 98014  
Published 99-08-16  
Revising Project  
Published

MARKER LOCATION

Updated: 1995-08-21

LOCATED ON THE NORTH WEST CORNER OF THE BRIDGE ABUTMENT (FOR W. BOUND TRAFFIC)  
ON 16 AVENUE NORTH EAST (HWY #1); EAST OF 84 STREET OVER C.P.R. TRACKS;  
0.91 M EAST OF WEST END OF CONCRETE; WITHIN THE SW 1/4 SEC 30-24-28-4.

NON COORDINATE REVISIONS

1975-10-20 FIRST MARKER LOCATION DESCRIPTION ENTERED  
2017-03-20 "MAPSHEET NAME" AND "MAPSHEET NO" CHANGED  
2003-03-12 "MAPSHEET NAME" AND "MAPSHEET NO" CHANGED  
2001-12-10 SEE 'HISTORICAL/OTHER MARKER NAMES'  
1992-05-07 NGDB NUMBER ENTERED

MARKER CONDITION COMMENTS

Inspected Updated

Comments	Inspected	Updated
MARKER FD IN GOOD CONDITION BY D. MALTBY,C.S.T. OF RDD	1995-08-01	1995-08-21
MARKER REPORTED IN GOOD CONDITION	1992-06-02	1992-07-08
MARKER REPORTED IN GOOD CONDITION	1991-01-29	1991-08-01
MARKER REPORTED IN GOOD CONDITION	1989-11-06	1990-06-15

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56583 8 3 NGDB # 77X1052  
NGDB NAME 658+8.3  
HISTORY 658+08.3 56583 8 3

VERT

99-10-21 -0.008 m REVISED ELEVATION-BETTER INTEGRATION  
99-08-16 0.032 m ELEVATION REVISED AND REINTEGRATED