

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 51 05 11.79707 dms  
Longitude 113 59 34.97947 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 82-10  
Date Printed 2025-08-03  
Last Updated 2020-01-09

ASCM 9696  
Tablet Markings 658+4.346  
Mapsheet Name CALGARY B  
Mapsheet Number 5661 + 004

Vert Datum CVD28 Updated: 1999-10-21  
Elevation 1084.905 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 88-09-23

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2020-01-09

Scale Factor 0.999900 At Ref Mer 114

Northing 5661154.891 m  
Easting 486.927 m  
Convergence 0 00 19.47 dms  
Station Ellipsoid Factor 0.999833  
Station Combined Factor 0.999733

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev (s)	PPM/ Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
281113 658+4.345	134.058	1	97/2	0.999733	278 33 15.00	4.9	0.00
86173 658+4.343	258.333	1	66/2	0.999732	210 04 24.18	5.4	0.00
171009 658+4.344	316.288	1	54/2	0.999733	269 30 33.51	3.3	0.00
242594 658+4.349	468.946	1	36/2	0.999732	137 52 40.96	3.1	0.00
97956 658+4.334	679.092	1	28/2	0.999732	214 38 58.13	2.3	0.00

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

Component	Magnitude	Std Dev
Meridian Defl,XI(+N)	2.6 s	2 s
Prime Vert Defl,ETA(+E)	4.7 s	2 s
Geoid_Ellip Separation	-16.39 m	1 m

MARKER TYPE Updated: 1983-06-23

ASC CAP ON 6 CM DIA HEAVY WALL STEEL PIPE 2.4 M LONG WITH HELIX BASE

COORDINATE HISTORY

	HORZ	VERT
Originating Project	82034	82034
Published	83-06-27	83-06-27
Revising Project	NAD83	98015
Published	94-05-24	99-10-21
Revising Project		
Published		
Revising Project		
Published		

MARKER LOCATION Updated: 1988-11-01

LOCATED ON THE SOUTH SIDE OF 37 AVENUE IN BETWEEN 27 AND 29 STREET NORTH  
EAST; 35.0 CM SOUTH OF SOUTH FACE OF CURB; 14.1 M EAST OF THE WEST PROPERTY  
LINE OF LOT 16, 2905 - 37 AVENUE.

NON COORDINATE REVISIONS

1983-06-23 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. 1988-09-23 1988-11-01

COORDINATE HISTORY COMMENTS

HORZ 94-05-24 ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56583 4 346

VERT 99-10-21 0.026 m REVISED ELEVATION-BETTER INTEGRATION

HISTORY 56583 4 346