

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 59 48.88219 dms  
Longitude 114 02 49.90951 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 75-03

ASCM 30809

Tablet Markings 649-0.152

Date Printed 2025-08-03  
Last Updated 2017-03-21

Mapsheet Name CALGARY F  
Mapsheet Number 5649 - 000

Vert Datum CVD28 Updated: 1999-08-16  
Elevation 1063.248 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 99-03-22

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2017-03-21

Scale Factor 0.999900 At Ref Mer 114

Northing 5651178.043 m  
Easting -3313.014 m  
Convergence -0 02 12.04 dms  
Station Ellipsoid Factor 0.999836  
Station Combined Factor 0.999736

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev (m) (cm)	PPM/ Grid/ Grnd Order Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
106443 649-0.154	159.520	1	50/2 0.999740	283 33 30.82	4.2	0.00
196204 649-0.155	350.482	1	31/1 0.999734	350 34 11.77	2.7	0.00
252833 649-0.150	535.373	1	22/1 0.999735	16 51 16.98	1.9	0.00
69393	607.730	1	28/2 0.999733	356 25 17.38	2.4	-0.01
96511 2117.22	629.132	1	21/1 0.999736	324 41 37.87	1.7	0.00
90035 649-0.148	657.984	1	20/1 0.999735	12 15 29.98	1.6	-0.01

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1999-07-09

Meridian Defl, XI(+N) 3.2 s 2 s  
Prime Vert Defl, ETA(+E) 5.5 s 2 s  
Geoid\_Ellip Separation -16.17 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG  
FLUSH W/GRD.

COORDINATE HISTORY

MARKER LOCATION

Updated: 1991-09-30

Originating Project 75106 75106  
Published 83-05-13 83-05-13  
  
Revising Project NAD83 98014  
Published 94-05-24 99-08-16  
Revising Project  
Published  
Revising Project  
Published

ON N.W. CORNE ROF 64 AVE. & BURBANK ROAD S.E.;  
3.2M WEST OF B.O.C., PROD. SOUTH;  
8.2M NORTH OF B.O.C., PROD. EAST;  
1.6M NORTH OF CATCH BASIN.

NON COORDINATE REVISIONS

1976-01-30 FIRST MARKER LOCATION  
DESCRIPTION ENTERED  
2017-03-20 "MAPSHEET NAME" AND/OR  
"MAPSHEET NO" CHANGED  
2003-03-12 "MAPSHEET NAME" AND/OR  
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED IN GOOD CONDITION  
MARKER REPORTED IN GOOD CONDITION

1999-03-22 1999-07-09  
1990-12-11 1991-09-30

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56494 0 152

99-08-16

0.010 m ELEVATION REVISED AND REINTEGRATED

HISTORY 649+00.152 56494 0 152