

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 58 53.19838 dms  
Longitude 114 00 05.60555 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 71-03  
Date Printed 2025-08-03  
Last Updated 2017-03-21

ASCM 13193  
Tablet Markings 649-0.58  
Mapsheet Name CALGARY F  
Mapsheet Number 5649 - 000

Vert Datum CVD28 Updated: 1999-08-16  
Elevation 1034.761 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 15-03-13

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2017-03-21

Scale Factor 0.999900 At Ref Mer 114

Northing 5649456.401 m  
Easting -109.337 m  
Convergence -0 00 04.36 dms  
Station Ellipsoid Factor 0.999840  
Station Combined Factor 0.999740

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)
200147 649+4.43	147.657	1	61/2	0.999736	94 41 56.34	3.3	0.00
322784 649-0.193	359.704	1	31/1	0.999742	304 43 51.30	2.4	0.00
126359 649-0.98	391.163	1	23/1	0.999740	357 30 45.33	1.6	0.00
17103 649+4.44	432.653	1	23/1	0.999740	24 49 01.98	2.0	0.00
498402 646-0.147	506.844	1	20/1	0.999741	180 00 46.00	1.6	0.00
408583 649+4.130	513.773	1	25/1	0.999741	66 31 40.03	2.1	0.00

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

Component Magnitude Std Dev

Meridian Defl,XI(+N) 3.3 s 2 s  
Prime Vert Defl,ETA(+E) 4.6 s 2 s  
Geoid\_Ellip Separation -16.22 m 1 m

MARKER TYPE

Updated: 2015-05-01

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG  
SET IN CONCRETE SIDEWALK

COORDINATE HISTORY

Originating Project 72113 72113  
Published 72-11-20 72-11-20

Revising Project NAD83 98014  
Published 94-05-24 99-08-16  
Revising Project 89045  
Published 90-12-05  
Revising Project  
Published

MARKER LOCATION

Updated: 2015-05-01

IN SIDEWALK ON N.E. CORNER OF 24 ST. AND 80 AVE. S.E.;  
1.9M NORTH OF F.O.C. N/S 80 AVE., PROD. WEST;  
3.6M EAST OF F.O.C. E/S OF 24 ST., PROD. SOUTH.

NOTE: THIS MARKER HAS TWO NUMBERS STAMPED ON CAP A.S.C 649-0.58  
G.S.C 2416.1

PLEASE USE A.S.C NUMBER.

70 CM S.E. OF THE END OF THE SIDEWALK. 57 CM N.E OF FOC ON CURVE. 3.8 M W OF STO  
P SIGN.

NON COORDINATE REVISIONS

1972-11-28 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  
MARKER REPORTED IN GOOD CONDITION  
MARKER REPORTED IN GOOD CONDITION

2015-03-13 2015-05-01  
2004-10-28 2004-12-03  
1990-10-31 1991-09-30

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56494 0 58

VERT

99-08-16 0.010 m ELEVATION REVISED AND REINTEGRATED  
90-12-05 -0.012 m REVISED ELEVATION-MOVEMENT SUSPECTED

HISTORY 2416.1 56494 0 58