

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

Horz Datum NAD83      Updated: 1994-05-24  
Latitude    51 00 20.43067 dms  
Longitude   113 59 36.66884 dms  
Horz Class INTEGRATED    , ORDER 2

Marker Installed    73-03

ASCM      39909

Tablet Markings    649+4.24

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

Mapsheet Name    CALGARY B  
Mapsheet Number   5652 + 004

Vert Datum CVD28      Updated: 1999-08-16  
Elevation    1044.254 m  
Vert Class INTEGRATED    , SPIRIT LEVELS

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

Marker Condition    GOOD      90-12-13

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3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated:

Scale Factor    0.999900    At Ref Mer 114

Northing    5652151.826 m  
Easting      454.842 m  
Convergence    0 00 18.13 dms  
Station Ellipsoid Factor 0.999839  
Station Combined Factor   0.999739

ASCM Tablet To Markings	Horizontal Distance (m)	Std Dev (cm)	PPM/ Order	Grid/ Factor	Grnd	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
371351 652+4.196	271.351	1	41/2	0.999740	297 00 28.28	3.2	0.00	
45567 649+4.23	279.329	1	36/2	0.999736	103 39 15.55	2.8	0.00	
20834 652+4.115	316.930	1	41/2	0.999739	69 39 44.93	3.2	0.00	
177824 649+4.27	401.651	1	35/2	0.999740	230 36 01.95	2.6	0.00	
124826 649+4.26	523.924	1	29/2	0.999740	248 22 32.44	2.1	0.00	
228148 649+4.30	533.604	1	24/1	0.999738	136 32 57.58	2.1	0.00	

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

Component      Magnitude    Std Dev

MARKER TYPE

Updated: 1991-10-09

Meridian Defl,XI(+N)      3.1    s      2    s  
Prime Vert Defl,ETA(+E)    4.5    s      2    s  
Geoid\_Ellip Separation -16.27 m      1    m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG  
25 CM BGL, 1 GP

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COORDINATE HISTORY      HORZ      VERT

MARKER LOCATION

Updated: 1991-10-09

Originating Project      73119      73119  
Published      83-03-05    83-03-05

ON NE CORNER OF 54 AVE. AND 27 ST. S.E.; 3.16 M. N.E. OF F.O.C. ON CURVE;  
3.60 M. E OF F.O.C. ON E/S OF 54 AVE., PROD. SE; 6.54 M. N. OF F.O.C. ON  
N/S OF 27 ST. PROD. E.; 4.20 M. N.E. OF C.B.

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

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NON COORDINATE REVISIONS

1974-03-13    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

1990-12-13    1991-10-09

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COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

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HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56493    4    24

99-08-16

0.012 m    ELEVATION REVISED AND REINTEGRATED

HISTORY 649+04.24      56493    4    24