

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

Horz Datum NAD83      Updated: 1994-05-24  
Latitude    50 54 02.67998 dms  
Longitude   113 59 31.40846 dms  
Horz Class INTEGRATED    , ORDER 2

Marker Installed    83-04

ASCM      8177

Tablet Markings    640+4.52

Date Printed      2025-08-03  
Last Updated      2003-03-12

Mapsheet Name    CALGARY C  
Mapsheet Number   5640 + 004

Vert Datum CVD28      Updated: 1999-08-16  
Elevation    1037.768 m  
Vert Class INTEGRATED    , SPIRIT LEVELS

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

Marker Condition    GOOD      97-11-07

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3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2001-08-24

Scale Factor    0.999900    At Ref Mer 114

Northing    5640479.732 m  
Easting      558.649 m  
Convergence    0 00 22.19 dms  
Station Ellipsoid Factor 0.999840  
Station Combined Factor    0.999740

ASCM Tablet To Markings	Horizontal Distance (m)(cm)	Std Dev Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
283564 640+4.62	182.539	1 49/2	0.999740	29 29 47.98	2.8	0.00
218495 640+4.61	315.873	1 35/2	0.999741	75 52 03.07	3.0	0.00
422410 422410	479.383	1 27/1	0.999741	76 32 18.01	2.2	0.00
395608 395608	611.393	1 20/1	0.999740	40 47 05.52	1.6	0.00
369645 369645	630.889	1 19/1	0.999741	19 14 30.85	1.5	0.00
256842 640+4.60	683.712	1 20/1	0.999741	74 45 35.67	1.6	0.00

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

Component      Magnitude    Std Dev

MARKER TYPE

Updated: 1984-01-16

Meridian Defl,XI(+N)    4.1    s    2    s  
Prime Vert Defl,ETA(+E)   5.0    s    2    s  
Geoid\_Ellip Separation -16.07 m    1    m

ASC BRASS TABLET ON 7 X 213CM HEAVY WALL DRIVEN PIPE WITH HELIX.

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COORDINATE HISTORY      HORZ      VERT

MARKER LOCATION

Updated: 1984-01-16

Originating Project      83017      83017  
Published      84-01-25    84-01-25

ON W/S OF MCKENZIE BLVD AND S OF MCKENZIE DR SE; 30CM W OF W F.O.C.;  
8.2M NE OF LIGHT STANDARD; 26.8M S OF S P/L OF HOUSE #155, LOT 10,  
PROD W.

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

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NON COORDINATE REVISIONS

1984-01-16    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	1997-11-07	1997-11-27
MARKER REPORTED IN GOOD CONDITION	1994-06-06	1994-08-19
MARKER REPORTED IN GOOD CONDITION	1992-11-19	1993-02-08
MARKER REPORTED IN GOOD CONDITION	1988-05-10	1988-05-27

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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 # 56403    4    52

99-08-16

0.006 m    ELEVATION REVISED AND REINTEGRATED

HISTORY      56403    4    52