

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

Horz Datum NAD83      Updated: 1994-05-24  
Latitude    50 57 40.62301 dms  
Longitude   114 07 03.69068 dms  
Horz Class INTEGRATED    , ORDER 2

Marker Installed    77-03

ASCM      12542

Tablet Markings    646-8.127

Date Printed      2025-08-03  
Last Updated      2018-02-13

Mapsheet Name    CALGARY F  
Mapsheet Number   5646 - 008

Vert Datum CVD28      Updated: 2001-02-07  
Elevation    1105.166 m  
Vert Class INTEGRATED    , SPIRIT LEVELS

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

Marker Condition    GOOD      91-08-02

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3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2018-02-13

Scale Factor    0.999900    At Ref Mer 114

Northing    5647220.485 m  
Easting      -8267.740 m  
Convergence   -0 05 29.09 dms  
Station Ellipsoid Factor 0.999829  
Station Combined Factor   0.999730

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev	PPM/ Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
215525 646-8.128	176.875	1	45/2	0.999727	83 53 35.71	3.5	0.00
197392 646-8.57	189.067	1	37/1	0.999727	96 01 03.09	3.3	0.00
285262 646-8.125	203.811	1	59/2	0.999728	18 09 57.44	4.8	0.00
32904 646-8.124	271.461	1	41/2	0.999728	40 44 39.40	3.5	0.00
248757 646-4.284	303.574	1	53/2	0.999730	115 50 25.67	4.3	0.00
87973 646-4.288	314.868	1	48/2	0.999730	135 35 09.62	3.8	0.00

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

Component      Magnitude    Std Dev

MARKER TYPE

Updated: 1992-01-23

Meridian Defl, XI(+N)      3.8    s      2    s  
Prime Vert Defl, ETA(+E)    6.8    s      2    s  
Geoid\_Ellip Separation -15.95 m      1    m

ASC CAP SET IN CONCRETE

LANDSCAPED.

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COORDINATE HISTORY      HORZ      VERT

MARKER LOCATION

Updated: 1991-03-08

Originating Project      77030      77030  
Published      78-01-17    78-01-17  
  
Revising Project      NAD83      98017  
Published      94-05-24    01-02-07  
Revising Project      98015  
Published      99-10-21  
Revising Project  
Published

E. SIDE OF 24 ST. IN MEDIAN DIVIDING SOUTHLAND DRIVE GOING EAST AT 24 ST. S.W. ;  
9.20M NORTH OF B.O.R.C. S/S 98 AVE. PROD. WEST ;  
ON B.O.W. E/S 24 ST. PROD. N. ;  
0.30M EAST OF BULL NOSE ;  
0.50M NORTH OF F.O.C. OF MEDIAN.

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NON COORDINATE REVISIONS

1978-01-31    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

1991-08-02    1992-01-23  
1990-05-30    1991-03-08

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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 # 56464    8    127

01-02-07      -0.005 m    ELEVATION REVISED AND REINTEGRATED  
99-10-21      0.023 m    REVISED ELEVATION-BETTER INTEGRATION

HISTORY 646-08.127      56464    8    127