

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

Horz Datum NAD83      Updated: 1994-05-24  
Latitude    51 05 39.03192 dms  
Longitude   114 12 08.64602 dms  
Horz Class INTEGRATED    , ORDER 2

Marker Installed    72-03

ASCM      27748

Tablet Markings    661-12.71

Date Printed      2025-08-03  
Last Updated      2020-01-09

Mapsheet Name    CALGARY G  
Mapsheet Number   5661 - 012

Vert Datum CVD28      Updated: 2000-06-15  
Elevation    1077.974 m  
Vert Class INTEGRATED    , SPIRIT LEVELS

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

Marker Condition    GOOD      13-04-04

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3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2020-01-09

Scale Factor    0.999900    At Ref Mer 114

Northing    5662015.904 m  
Easting     -14177.921 m  
Convergence   -0 09 27.02 dms  
Station Ellipsoid Factor 0.999834  
Station Combined Factor   0.999736

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)
100149 B45	180.610	1	61/2	0.999734	5 51 07.25	3.8	-0.01
176347 661-12.73	206.734	1	53/2	0.999737	265 07 34.07	3.6	0.00
31773 661-12.69	245.473	1	65/2	0.999736	66 41 59.99	5.2	0.00
23440 661-12.52	258.440	1	43/2	0.999737	176 39 28.03	3.2	0.01
240101 661-12.68	296.769	1	40/2	0.999736	48 25 25.20	3.3	-0.01
257105 661-12.51	304.006	1	43/2	0.999737	217 43 34.11	3.7	0.01

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

Component      Magnitude    Std Dev

MARKER TYPE

Updated: 1973-06-19

Meridian Defl,XI(+N)      2.5    s      2    s  
Prime Vert Defl,ETA(+E)    6.9    s      2    s  
Geoid\_Ellip Separation -15.97 m      1    m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

LANDSCAPED.

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COORDINATE HISTORY

HORZ      VERT

Originating Project      72106      72106  
Published      83-04-29    83-04-29

Revising Project      NAD83      98016  
Published      94-05-24    00-06-15

Revising Project  
Published  
Revising Project  
Published

MARKER LOCATION

Updated: 1994-02-03

ON NW COR. OF 46 AVE. AND 79 ST. NW; 2.4 M N OF B.O.W. PROD. E;  
2.7 M W OF B.O.W. PROD. S; 0.20 M NW OF B.O.W. ON CURVE;  
5.0 M NE OF FH. .

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NON COORDINATE REVISIONS

1973-06-19    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	2013-04-04	2013-05-03
MARKER REPORTED IN GOOD CONDITION	1993-09-28	1994-02-03
MARKER REPORTED IN GOOD CONDITION	1993-09-22	1994-02-03
MARKER REPORTED IN GOOD CONDITION.	1988-10-14	1989-05-16

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

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HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56614 12    71

00-06-15

0.013 m    REVISED ELEVATION-BETTER INTEGRATION

HISTORY      56614 12    71