

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

Horz Datum NAD83      Updated: 1994-05-24  
Latitude    51 01 14.90667 dms  
Longitude   114 00 17.21730 dms  
Horz Class INTEGRATED    , ORDER 2

Marker Installed    66-03

ASCM      45716

Tablet Markings    C13

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

Mapsheet Name    CALGARY G  
Mapsheet Number   5652 - 000

Vert Datum CVD28      Updated: 1999-08-16  
Elevation    1055.565 m  
Vert Class INTEGRATED    , SPIRIT LEVELS

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

Marker Condition    GOOD      96-02-29

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3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated:

Scale Factor    0.999900    At Ref Mer 114

Northing    5653835.086 m  
Easting      -335.543 m  
Convergence   -0 00 13.38 dms  
Station Ellipsoid Factor 0.999837  
Station Combined Factor   0.999737

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev (m) (cm)	PPM/ Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
96404 C14	380.492	1	60/2	0.999737	255 27 24.10	4.6	0.00
221259 652+4.156	420.841	1	50/2	0.999738	80 13 22.28	3.5	0.00
119271 C11	503.341	1	52/2	0.999737	4 51 17.29	3.5	0.00
223180 652-0.168	579.490	1	36/2	0.999739	161 04 37.23	2.8	0.00
163337 652+4.153	635.151	1	33/2	0.999739	112 09 33.64	2.7	0.00
194480 2319.22	764.263	1	44/2	0.999738	336 25 32.36	3.8	0.00

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

Component      Magnitude    Std Dev

MARKER TYPE

Updated: 1996-04-01

Meridian Defl,XI(+N)      2.9    s      2    s  
Prime Vert Defl,ETA(+E)   4.7    s      2    s  
Geoid\_Ellip Separation -16.28 m      1    m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG  
5 CM BGL

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COORDINATE HISTORY      HORZ      VERT

MARKER LOCATION

Updated: 1983-05-04

Originating Project      69103      69103  
Published      70-10-06    70-10-06

STATION IS LOCATED 13 FT. E OF E BANK OF IRRIGATION CANAL.  
- 75.4M W OF W P/L OF DEERFOOT TRAIL FROST FENCE.  
- 44M S OF C/L OF PIPE LINE GOING ABOVE IRRIGATION CANAL.  
-0.2KM S OF HUGE GRAPHITE BOULDER.

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

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NON COORDINATE REVISIONS

1970-10-06    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

1996-02-29    1996-04-01

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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 # 56524    0    26

99-08-16

0.005 m    ELEVATION REVISED AND REINTEGRATED

HISTORY      56524    0    26