

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

Horz Datum NAD83      Updated: 1994-05-24  
Latitude    50 57 12.47978 dms  
Longitude   114 07 57.76506 dms  
Horz Class INTEGRATED    , ORDER 3

Marker Installed    79-03  
  
Date Printed        2025-08-03  
Last Updated        2003-03-12

ASCM                4259  
  
Tablet Markings    646-8.233  
  
Mapsheet Name      CALGARY F  
Mapsheet Number    5646 - 008

Vert Datum CVD28      Updated: 2001-02-07  
Elevation    1120.347 m  
Vert Class INTEGRATED    , SPIRIT LEVELS

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

Marker Condition    GOOD                90-05-02

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3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2003-01-21

Scale Factor    0.999900    At Ref Mer 114

Northing    5646352.679 m  
Easting     -9324.492 m  
Convergence   -0 06 11.05 dms  
Station Ellipsoid Factor 0.999827  
Station Combined Factor 0.999728

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
163550 646-8.227	124.751	1 56/2	0.999725	333 42 11.78	4.5	0.00
219451 646-8.224	125.126	1 64/2	0.999733	93 17 43.73	5.2	0.00
40899 646-8.223	127.516	1 63/2	0.999732	59 55 53.03	5.4	0.00
177618 646-8.221	167.648	1 101/2	0.999728	234 16 43.98	8.4	0.00
287821 646-8.137	227.326	1 70/2	0.999725	276 07 21.31	5.2	0.00
48686 646-8.231	231.390	1 43/2	0.999730	114 15 39.70	3.5	0.00

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

Component	Magnitude	Std Dev
Meridian Defl,XI(+N)	4.0 s	2 s
Prime Vert Defl,ETA(+E)	7.0 s	2 s
Geoid_Ellip Separation	-15.90 m	1 m

MARKER TYPE

Updated: 1978-10-04

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

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COORDINATE HISTORY                HORZ                VERT

Originating Project                78004                78004  
Published                83-08-24                83-08-24

Revising Project                NAD83                98017  
Published                94-05-24                01-02-07  
Revising Project  
Published  
Revising Project  
Published

MARKER LOCATION

Updated: 1978-10-04

NE COR CEDARWOOD HILL & CEDARWOOD RISE SW; 0.05M NE OF B.O.W.  
ON CURVE; 3.4M N OF B.O.W. N PROD W; 2.1M E OF B.O.R.C. E  
PROD S.

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NON COORDINATE REVISIONS

1978-10-04    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

1990-05-02    1991-03-13

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COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

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HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56464    8    233

VERT

01-02-07

0.027 m    ELEVATION REVISED AND REINTEGRATED

HISTORY 646-08.233                56464    8    233