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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 57 54.34100 dms
Longitude 114 06 23.35007 dms
Horz Class INTEGRATED , ORDER 3

Vert Datum CVD28 Updated: 2001-02-07
Elevation 1092.061 m
Vert Class INTEGRATED , SPIRIT LEVELS

ASCM 41152

Marker Installed 70-03

Date Printed 2025-08-03
Last Updated 2007-06-25

Tablet Markings 646-4.105

Mapsheet Name CALGARY F
Mapsheet Number 5646 - 004

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

Marker Condition GOOD 06-03-27

3TM COORDINATES

Scale Factor 0.999900 At Ref Mer 114

Northing 5647643.161 m
Easting -7479.937 m
Convergence -0 04 57.77 dms
Station Ellipsoid Factor 0.999831
Station Combined Factor 0.999732

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

Component	Magnitude	Std Dev
Meridian Defl,XI(+N)	3.8 s	2 s
Prime Vert Defl,ETA(+E)	6.6 s	2 s
Geoid_Ellip Separation	-15.99 m	1 m

COORDINATE HISTORY

	HORZ	VERT
Originating Project	70104	70104
Published	71-04-21	71-04-21
Revising Project	NAD83	98017
Published	94-05-24	01-02-07
Revising Project		
Published		
Revising Project		
Published		

NON COORDINATE REVISIONS

1971-04-21 FIRST MARKER LOCATION DESCRIPTION ENTERED
2003-03-12 "MAPSHEET NAME" AND/OR "MAPSHEET NO" CHANGED

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56464 4 105

HISTORY 646-04.105 56464 4 105

ADJACENT MARKERS (calculated) Updated: 2006-06-28

ASCM To	Tablet Markings	Horizontal Distance (m)	Std Dev (cm)	PPM/ Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
40162	646-4.221	189.695	1	37/1	0.999729	359 53 00.17	2.8	0.00
216713	646-4.220	212.595	1	47/2	0.999732	331 16 44.24	3.7	0.00
124610	646-4.299	220.689	1	41/2	0.999731	92 15 52.52	3.3	0.00
250761	646-4.264	295.652	1	44/2	0.999731	49 32 34.89	3.4	0.00
283150	646-4.104	301.111	1	30/1	0.999733	269 27 18.26	2.2	0.00
52902	646-4.265	317.982	1	44/2	0.999733	31 15 50.35	3.6	-0.01

MARKER TYPE Updated: 1971-04-21

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
FLUSH W/GRD.

MARKER LOCATION Updated: 2007-06-25

LOCATED ON NW CORNER OF 98 AVE AT 19 ST SW; 3.6 M N OF BOW PROD E; 0.9 M E OF FR
ONT OF SEP.W; 0.3 M NW OF BOW ON CURVE.

MARKER CONDITION COMMENTS	Inspected	Updated
MARKER REPORTED IN GOOD CONDITION	2006-03-27	2007-06-25

COORDINATE HISTORY COMMENTS

HORZ 94-05-24 ALBERTA NAD83 READJUSTMENT

VERT
01-02-07 0.017 m ELEVATION REVISED AND REINTEGRATED