

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 05 50.31761 dms
Longitude 114 16 29.12259 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 74-03
Date Printed 2025-08-03
Last Updated 2020-01-08

ASCM 49437
Tablet Markings 661-16.2
Mapsheet Name CALGARY K
Mapsheet Number 5661 - 016

Vert Datum CVD28 Updated: 2000-06-15
Elevation 1164.828 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 19-06-18

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2004-05-28

Scale Factor 0.999900 At Ref Mer 114

Northing 5662381.051 m
Easting -19244.940 m
Convergence -0 12 49.75 dms
Station Ellipsoid Factor 0.999820
Station Combined Factor 0.999725

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev (m) (cm)	PPM/ Order	Grid/ Factor	Grnd	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
887877 887877	821.894	1	16/1	0.999723	210 38	48.74	1.3	0.03
267328 661-16.29	1450.555	1	11/1	0.999730	57 31	51.15	0.9	-0.04
239921 661-16.1	1532.722	1	20/1	0.999727	344 09	54.34	1.6	-0.07
871947 871947	1572.931	1	10/1	0.999721	195 22	23.00	0.9	0.07
272690 661-16.5	1692.762	1	15/1	0.999725	16 41	57.80	1.3	-0.08
44651 658-16.11	1855.615	1	9/1	0.999721	197 22	05.75	0.8	0.09

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

Component Magnitude Std Dev
Meridian Defl, XI(+N) 2.6 s 2 s
Prime Vert Defl, ETA(+E) 7.4 s 2 s
Geoid_Ellip Separation -15.81 m 1 m

MARKER TYPE Updated: 2020-01-08

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
2 CM BGL, LANDSCAPED.

COORDINATE HISTORY

	HORZ	VERT
Originating Project	75119	75119
Published	83-08-17	83-08-17
Revising Project	NAD83	98016
Published	94-05-24	00-06-15
Revising Project		90047
Published		91-06-04
Revising Project		
Published		

MARKER LOCATION Updated: 2020-01-08

MARKER IS LOCATED IN SW 1/4 6-25-2-5 ON HILL OVER LOOKING BOW RIVER VALLEY; 120 M NE OF STEEL POWER TOWER; 16 M W OF MONITORING WELL; 411.2 M E OF E P/L OF 133 ST RD/A.

NON COORDINATE REVISIONS

1975-10-07 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	2019-06-18	2020-01-08
MARKER REPORTED IN GOOD CONDITION	2007-04-10	2007-06-21
MARKER REPORTED IN GOOD CONDITION	2001-09-20	2001-11-30
MARKER REPORTED IN GOOD CONDITION.	1990-02-12	1990-05-24

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56614 16 2

VERT	
00-06-15	0.039 m REVISED ELEVATION-BETTER INTEGRATION
91-06-04	-0.411 m PREVIOUS TRIG ELEV REPLACED BY SPIRIT LEVEL

HISTORY 56614 16 2