

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 51 08 09.80476 dms
Longitude 114 00 26.57693 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 73-03
Date Printed 2025-08-03
Last Updated 2007-06-20

ASCM 29629
Tablet Markings 664+00.55
Mapsheet Name CALGARY H
Mapsheet Number 5664 - 000

Vert Datum CVD28 Updated: 1999-10-21
Elevation 1084.629 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 99-07-19

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2007-06-20

Scale Factor 0.999900 At Ref Mer 114

Northing 5666655.296 m
Easting -516.664 m
Convergence -0 00 20.69 dms
Station Ellipsoid Factor 0.999833
Station Combined Factor 0.999733

| ASCM Tablet To Markings | Horizontal Distance | Std Dev (m) (cm) | PPM/ Order | Grid/ Factor | Grnd |
|----------------------------|------------------------|---------------------|---------------|-----------------|------|
| 32615 664+00.54 | 377.693 | 1 | 32/2 | 0.999734 | |
| 156646 DOT702113 | 387.392 | 1 | 36/2 | 0.999731 | |
| 270207 664+00.56 | 415.174 | 1 | 29/1 | 0.999734 | |
| 108506 664+00.59 | 420.815 | 1 | 31/2 | 0.999733 | |
| 244673 DOT702353 | 470.174 | 1 | 30/2 | 0.999732 | |
| 43844 DOT702335 | 740.289 | 1 | 20/1 | 0.999733 | |

| Grid Bearing (dms) | Std Dev (s) | T-t Corr (s) |
|--------------------------|-------------------|--------------------|
| 89 22 22.25 | 2.6 | 0.00 |
| 186 23 49.54 | 3.1 | 0.00 |
| 272 24 22.35 | 2.5 | 0.00 |
| 358 10 53.58 | 2.6 | 0.00 |
| 221 34 36.01 | 2.5 | 0.00 |
| 235 25 04.36 | 1.7 | 0.00 |

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

| Component | Magnitude | Std Dev |
|--------------------------|-----------|---------|
| Meridian Defl, XI(+N) | 2.4 s | 2 s |
| Prime Vert Defl, ETA(+E) | 5.1 s | 2 s |
| Geoid_Ellip Separation | -16.44 m | 1 m |

MARKER TYPE

Updated: 2001-08-21

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
20 CM S OF GP.

COORDINATE HISTORY

HORZ

VERT

| | | |
|---------------------|----------|----------|
| Originating Project | 73124 | 73124 |
| Published | 74-05-17 | 74-05-17 |
| Revising Project | NAD83 | 98015 |
| Published | 94-05-24 | 99-10-21 |
| Revising Project | | |
| Published | | |
| Revising Project | | |
| Published | | |

MARKER LOCATION

Updated: 2001-08-21

APPROX 400 M S OF "PARK & JET" PARKING LOT; APPROX 4 M E OF C/L OF N-S ASPHALT
CONSTRUCTION RD (22 ST NE) PROD. S; APPROX 6.3 M S OF C/L OF E-W ASPHALT
CONSTRUCTION RD (92 AVE NE) PROD. E; 3.2 M N OF LONE E-W AIRPORT FROST FENCE
PRODUCED EAST.

NOTE: MON. HAD BEEN REPORTED DESTROYED PREVIOUSLY; BUT WAS FOUND IN
PLACE BY CITY OF CALGARY ENG. DEPT. IN NOV.'83.

NON COORDINATE REVISIONS

| | |
|------------|---|
| 1983-04-19 | 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

1999-07-19 2001-08-21

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56644 0 55

VERT

99-10-21

0.028 m REVISED ELEVATION-BETTER INTEGRATION

HISTORY

56644 0 55