## SURVEYING AND MAPPING DIVISION

## Alberta Survey Control Marker (ASCM) Information MASCOT DSS-1

| Horz Datum NAD83 Updated: 1994-05-24 Latitude 50 59 05.98257 dms   | MASCOT DSS-1  ASCM 4010  Marker Installed 82-07  Tablet Markings 649+4.106  |
|--|---|
| Longitude 113 57 50.60115 dms<br>Horz Class INTEGRATED , ORDER 2   | Date Printed 2025-08-03   |
| Vert Datum CVD28 Updated: 1999-08-16   | Last Updated 2017-03-20 Mapsheet Name CALGARY C<br>Mapsheet Number 5649 + 004   |
| Elevation 1043.199 m Vert Class INTEGRATED , SPIRIT LEVELS   | For current information call Geodetic Survey (780) 427-3143 FAX: (780) 427-1493 Marker Condition GOOD 05-03-21  |
| 3TM COORDINATES  | ADJACENT MARKERS (calculated) Updated:  |
| Scale Factor 0.999900 At Ref Mer 114   | ASCM Tablet Horizontal Std PPM/ Grid/ Grnd Grid Std T-t To Markings Distance Dev Order Factor Bearing Dev Corr (m)(cm) (dms) (s) (s)  201012 649+4.107 409.069 1 29/1 0.999738 272 41 08.12 2.3 0.00 17954 649+4.111 488.073 1 23/1 0.999740 357 13 24.24 1.8 0.00 297622 649+4.104 580.054 1 24/1 0.999738 180 15 08.08 2.0 0.00 75291 649+4.110 651.285 1 20/1 0.999738 318 09 30.30 1.7 0.00 258707 649+4.103 719.011 1 18/1 0.999738 216 09 50.76 1.5 0.00 3582 649+4.108 866.712 1 15/1 0.999739 269 59 20.01 1.3 0.00 |
| Northing 5649852.035 m   | (m)(cm) $(dms)$ $(s)$   |
| Easting 2523.755 m   | 201012 649+4.107 409.069 1 29/1 0.999738 272 41 08.12 2.3 0.00  |
| Convergence U UI 40.54 dms   | 1/954 549+4.111 488.0/3 1 23/1 0.999/40 35/ 13 24.24 1.8 0.00   |
| Station Combined Factor 0.999739   | 75291 649+4.110 651.285 1 20/1 0.999738 318 09 30.30 1.7 0.00   |
|  | 258707 649+4.103 719.011 1 18/1 0.999738 216 09 50.76 1.5 0.00  |
| GEOID DATA (GSD95) Updated: 17-03-20   | 3582 649+4.108 866.712 1 15/1 0.999739 269 59 20.01 1.3 0.00  |
| Component Magnitude Std Dev  | MARKER TYPE Updated: 1997-12-12   |
| Meridian Defl,XI(+N) 3.2 s 2 s Prime Vert Defl,ETA(+E) 4.1 s 2 s Geoid_Ellip Separation -16.28 m 1 m           | ASC BRASS TABLET ON A 7X213 CM HEAVY WALL DRIVEN PIPE. 1CM BGL. 2.0 CM BGL.   |
| Geoid_Ellip Separation -16.28 m 1 m  | MARKED LOGATION   |
| COORDINATE HISTORY HORZ VERT   | MARKER LOCATION Updated: 2006-06-16   |
| Originating Project 82024 82024<br>Published 83-09-27 83-09-27   | SE COR OF 76 AVE AND 48 ST SE; 0.02 M S OF BOC ON CURVE; 6.7 M S OF S BOC PROD W; 5.6 M E OF E BOC PROD NORTH.  |
| Revising Project NAD83 98014 Published 94-05-24 99-08-16 Revising Project Published Revising Project Published |   |
| NON COORDINATE REVISIONS   |   |
| 1983-08-26 FIRST MARKER LOCATION DESCRIPTION ENTERED   | MARKER CONDITION COMMENTS Inspected Updated   |
| 2017-03-20 "MAPSHEET NAME" AND/OR "MAPSHEET NO" CHANGED  | MARKER REPORTED IN GOOD CONDITION         2005-03-21 2006-06-16           MARKER REPORTED IN GOOD CONDITION         1997-12-02 1997-12-12   |
| 2003-03-12 "MAPSHEET NAME" AND/OR "MAPSHEET NO" CHANGED  | MARKER REPORTED IN GOOD CONDITION - CAP IS HARD TO READ 1997-07-04 1997-07-29   |
|  | COORDINATE HISTORY COMMENTS   |
|  | HORZ 94-05-24 ALBERTA NAD83 READJUSTMENT  |
| HISTORICAL/OTHER MARKER NAMES  | <br>VERT  |
| OLD ASC # 56493 4 106  | 99-08-16 0.009 m ELEVATION REVISED AND REINTEGRATED   |

HISTORY

56493 4 106