Appendix 3

GRAVITY NETWORK ADJUSTMENT

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **GRAVITY NETWORK ADJUSTMENT** | | | |  |  |  |  |  |
| **Northern Traverse (1)** | |  |  |  |  |  |  |  |
| FROM | TO | dGrv | GRV | Abs Value |  | Adj dGrv | Adj Value |  |
|  | 0271 |  | 980275.390 |  |  |  | 980275.39 | 0271 |
| 0271 | 9000 | 3.991 | 980279.381 | 3.991 | 0.000546921 | 3.992 | 980279.38 | 9000 |
| 9000.00 | 9500 | -33.853 | 980245.528 | 33.853 | 0.00463917 | -33.848 | 980245.53 | 9500 |
| 9500.00 | 9001 | -6.607 | 980238.921 | 6.607 | 0.000905414 | -6.606 | 980238.93 | 9001 |
| 9001.00 | 9501 | 0.035 | 980238.956 | 0.035 | 4.79635E-06 | 0.035 | 980238.96 | 9501 |
| 9501.00 | 9004 | 5.789 | 980244.745 | 5.789 | 0.000793317 | 5.790 | 980244.75 | 9004 |
| 9004.00 | 9006 | -84.756 | 980159.989 | 84.756 | 0.011614849 | -84.744 | 980160.01 | 9006 |
| 9006.00 | 9139 | 142.263 | 980302.252 | 142.263 | 0.019495532 | 142.282 | 980302.29 | 9139 |
|  |  |  | 980302.290 | 277.294 |  |  |  |  |
|  |  |  | 0.038 | Misclose |  |  |  |  |
|  |  |  | 0.0001370387 | Adjust Rate/Mgal | |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Southern Traverse (2)** | |  |  |  |  |  |  |  |
| FROM | TO | dGrv | GRV | Abs Value |  | Adj dGrv | Adj Value |  |
|  | 0271 |  | 980275.390 |  |  |  | 980275.39 | 0271 |
| 0271 | 9015 | -49.309 | 980226.081 | 49.309 | 0.003911447 | -49.305 | 980226.08 | 9015 |
| 9015 | 9505 | 57.366 | 980283.447 | 57.366 | 0.00455057 | 57.371 | 980283.46 | 9505 |
| 9505 | 9009 | -12.885 | 980270.562 | 12.885 | 0.001022105 | -12.884 | 980270.57 | 9009 |
| 9009 | 9502 | 8.534 | 980279.096 | 8.534 | 8.70198E-05 | 8.534 | 980279.11 | 9502 |
| 9502 | 9008 | 1.097 | 980280.193 | 1.097 | 8.70198E-05 | 1.097 | 980280.20 | 9008 |
| 9008 | 9139 | 22.085 | 980302.278 | 22.085 | 0.001751897 | 22.087 | 980302.29 | 9139 |
|  |  |  | 980302.290 | 151.276 |  |  |  |  |
|  |  |  | 0.012 | Misclose |  |  |  |  |
|  |  |  | 0.0000793252 | Adjust Rate/Mgal | |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **N/S Traverse (3)** | |  |  |  |  |  |  |  |
| FROM | TO | dGrv | GRV | Abs Value |  | Adj dGrv | Adj Value |  |
|  | 9501 |  | 980238.962 |  |  |  | 980238.96 | 9501 |
| 9501 | 9014 | -113.841 | 980125.121 | 113.841 | 0.015098203 | -113.856 | 980125.11 | 9014 |
| 9014 | 9012 | 126.726 | 980251.847 | 126.726 | 0.016807081 | 126.709 | 980251.82 | 9012 |
| 9012 | 9502 | 27.294 | 980279.141 | 27.294 | 0.003619876 | 27.290 | 980279.11 | 9502 |
|  |  |  | 980279.106 | 267.861 |  |  |  |  |
|  |  |  | -0.036 | Misclose |  |  |  |  |
|  |  |  | 0.0001326254 | Adjust Rate/Mgal | |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **South-East Corner Traverse (4)** | | |  |  |  |  |  |  |
| FROM | TO | dGrv | GRV | Abs Value |  | Adj dGrv | Adj Value |  |
|  | 9009 |  | 980270.571 |  |  |  | 980270.57 | 9009 |
| 9009 | 9504 | 21.320 | 980291.891 | 21.32 | 0.005112054 | 21.325 | 980291.90 | 9504 |
| 9504 | 9011 | 56.073 | 980347.964 | 56.073 | 0.013445038 | 56.086 | 980347.98 | 9011 |
| 9011 | 9503 | -23.628 | 980324.336 | 23.628 | 0.00566546 | -23.622 | 980324.36 | 9503 |
| 9503 | 0271 | -22.076 | 980302.260 | 22.076 | 0.005293326 | -22.071 | 980302.29 | 9139 |
|  |  |  | 980302.290 | 123.097 |  |  |  |  |
|  |  |  | 0.030 | Misclose |  |  |  |  |
|  |  |  | 0.0002397774 | Adjust Rate/Mgal | |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **North-East Corner Traverse (5)** | | |  |  |  |  |  |  |
| FROM | TO | dGrv | GRV | Abs Value |  | Adj dGrv | Adj Value |  |
|  | 9004 |  | 980244.752 |  |  |  | 980244.75 | 9004 |
| 9004 | 9005 | 19.723 | 980264.475 | 19.723 | -0.015717577 | 19.70728 | 980264.46 | 9005 |
| 9005 | 9007 | 19.799 | 980284.274 | 19.799 | -0.015778143 | 19.78322 | 980284.24 | 9007 |
| 9007 | 9139 | 18.062 | 980302.336 | 18.062 | -0.014393899 | 18.04761 | 980302.29 | 9139 |
|  |  |  | 980302.290 | 57.584 |  |  |  |  |
|  |  |  | -0.046 | Misclose |  |  |  |  |
|  |  |  | -0.0007969161 | Adjust Rate/Mgal | |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **North Central Traverse (6)** | | |  |  |  |  |  |  |
| FROM | TO | dGrv | GRV | Abs Value |  | Adj dGrv | Adj Value |  |
|  | 9001 |  | 980238.927 |  |  |  | 980238.93 | 9001 |
| 9001 | 9003 | 35.798 | 980274.725 | 35.798 | -0.020932358 | 35.777 | 980274.70 | 9003 |
| 9003 | 9005 | -10.239 | 980264.486 | 10.239 | -0.005987106 | -10.245 | 980264.46 | 9005 |
|  |  |  | 980264.459 | 46.037 |  |  |  |  |
|  |  |  | -0.027 |  |  |  |  |  |
|  |  |  | -0.0005847354 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Targa Traverse (7)** | |  |  |  |  |  |  |  |
| FROM | TO | dGrv | GRV | Abs Value |  | Adj dGrv | Adj Value |  |
|  | 9000 |  | 980279.382 |  |  |  | 980279.38 | 9000 |
| 9000 | 9013 | -62.871 | 980216.511 | 62.871 | -0.034226667 | -62.905 | 980216.48 | 9013 |
| 9013 | 9001 | 22.463 | 980238.974 | 22.463 | -0.012228748 | 22.451 | 980238.93 | 9001 |
|  | 9001 |  | 980238.927 | 85.334 |  |  |  |  |
|  |  |  | -0.046 | Misclose |  |  |  |  |
|  |  |  | -0.0005443951 | Adjust Rate/Mgal | |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Georgetown Traverse (8)** | | |  |  |  |  |  |  |
| FROM | TO | dGrv | GRV | Abs Value |  | Adj dGrv | Adj Value |  |
|  | 9000 |  | 980279.382 |  |  |  | 980279.38 | 9000 |
| 9000 | 9002 | -10.509 | 980268.873 | 10.509 | -0.133584987 | -10.643 | 980268.74 | 9002 |
| 9002 | 9003 | 6.042 | 980274.915 | 6.042 | -0.076802787 | 5.965 | 980274.70 | 9003 |
|  |  |  | 980274.704 | 16.551 |  |  |  |  |
|  |  |  | -0.210 | Misclose |  |  |  |  |
|  |  |  | -0.0127114841 | Adjust Rate/Mgal | |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Summary** |  |  |  |  |  |  |  |  |
| 0271 | 980302.29 |  |  | 9012 | 980251.82 |  |  |  |
| 9000 | 980279.38 |  |  | 9013 | 980216.48 |  |  |  |
| 9001 | 980238.93 |  |  | 9014 | 980125.11 |  |  |  |
| 9002 | 980268.74 |  |  | 9015 | 980226.08 |  |  |  |
| 9003 | 980274.70 |  |  | 9139 | 980302.29 |  |  |  |
| 9004 | 980244.75 |  |  | 9500 | 980245.53 |  |  |  |
| 9005 | 980264.46 |  |  | 9501 | 980238.96 |  |  |  |
| 9006 | 980160.01 |  |  | 9502 | 980279.11 |  |  |  |
| 9007 | 980284.24 |  |  | 9503 | 980324.36 |  |  |  |
| 9008 | 980280.20 |  |  | 9504 | 980291.90 |  |  |  |
| 9009 | 980270.57 |  |  | 9505 | 980283.46 |  |  |  |
| 9011 | 980347.98 |  |  |  |  |  |  |  |