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..
..      MOVE 3 Version 3.1.5      ..
..
..      Design and Adjustment    ..
..      of                       ..
..      3D 2D and 1D Geodetic Networks ..
..
..      www.MOVE3.com           ..
..      (c) 1993-2002 Grontmij Geo Informatie bv ..
..      Licensed to Leica Geosystems AG ..
..
.. SW04251                      18-10-2006 15:35:36 ..
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3D constrained network on WGS 84 ellipsoid

STATIONS

Number of (partly) known stations 3
Number of unknown stations 2
Total 5

OBSERVATIONS

Directions 0
Distances 0
Zenith angles 0
Azimuth angles 0
Height differences 0
GPS coordinate differences 57 (19 baselines)
Known coordinates 7
GPS transformation parameters 0
Total 64

UNKNOWNNS

Coordinates 15
Orientations 0
Scale factors 0
Vertical refraction coefficients 0
Azimuth offsets 0
GPS transformation parameters 0
Deflections of the vertical 0
Additional transformation parameters 0
Total 15

Degrees of freedom 49

Linear units in US Survey Feet (1 fts = 0.30480 m)

ADJUSTMENT

Number of iterations 1
Max coord correction in last iteration 0.0000 fts

TESTING

Alfa (multi dimensional) 0.5500
Alfa 0 (one dimensional) 0.0500
Beta 0.80
Critical value W-test 1.96
Critical value T-test (3 dimensional) 1.89
Critical value T-test (2 dimensional) 2.42
Critical value F-test 0.96

F-test 0.802 accepted

Results based on a-posteriori variance factor

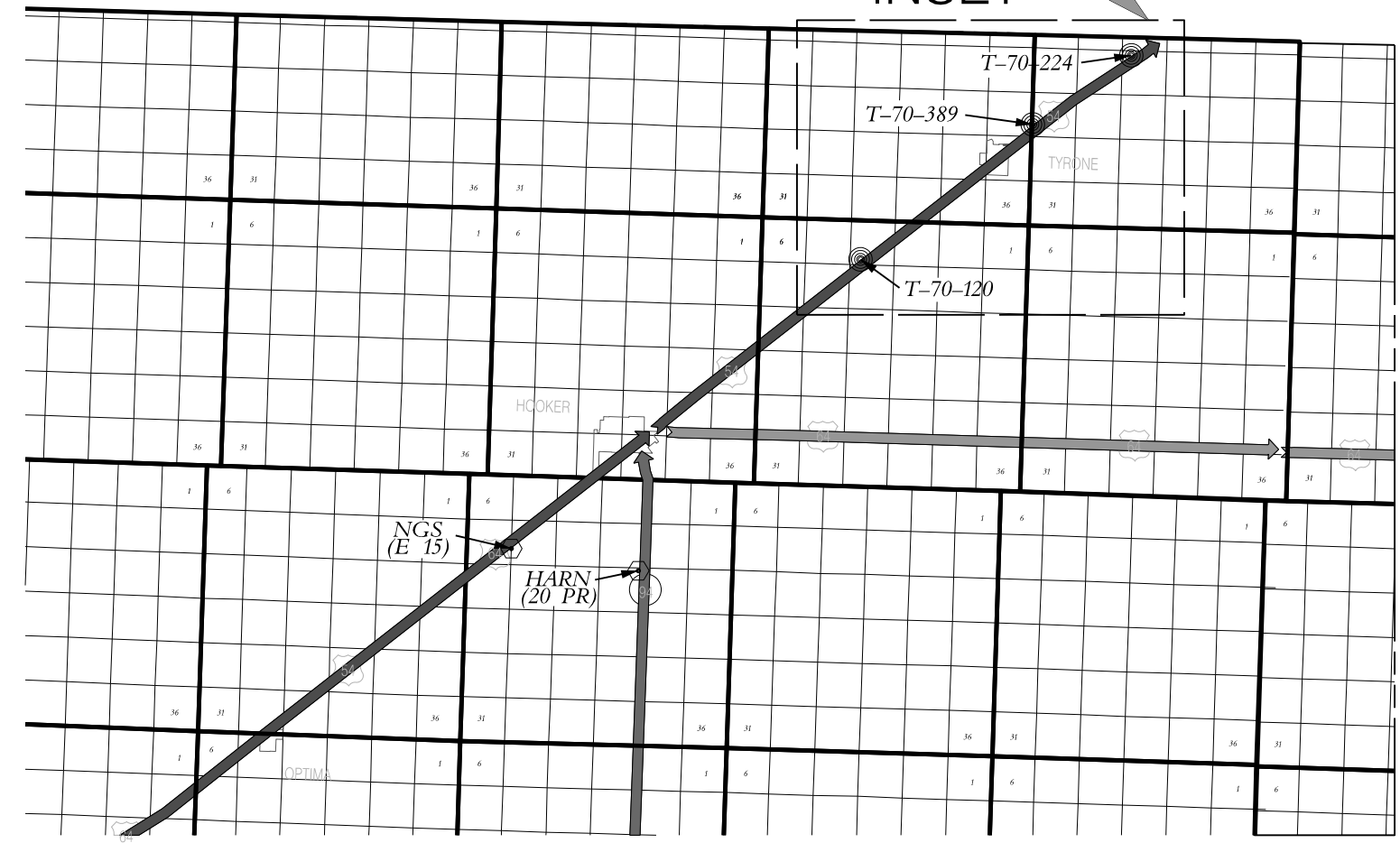
ELLIPSOID CONSTANTS

Ellipsoid WGS 84
Semi major axis 20925604.4742 fts
Inverse flattening 298.257223563

COORDINATES (CONSTRAINED NETWORK)

| Station | Coordinate | Corr | Prec(68.3%) |
|---------|------------------------------|---------|-------------|
| 20PR | Latitude 36 49 10.93708 N* | 0.0000 | fixed fts |
| | Longitude 101 12 25.40548 W* | 0.0000 | fixed fts |
| | Height 2875.5595 | 0.1395 | 0.0085 fts |
| E15 | Latitude 36 49 34.37215 N* | 0.0000 | fixed fts |
| | Longitude 101 15 35.54064 W* | 0.0000 | fixed fts |
| | Height 2921.9693* | 0.0000 | fixed fts |
| T70120 | Latitude 36 55 16.33375 N | -0.0005 | 0.0053 fts |
| | Longitude 101 07 07.28351 W | 0.0005 | 0.0051 fts |
| | Height 2849.1216 | 0.0875 | 0.0095 fts |
| T70224 | Latitude 36 59 26.98802 N* | 0.0000 | fixed fts |
| | Longitude 101 00 39.71146 W* | 0.0000 | fixed fts |
| | Height 2816.4317 | 0.1647 | 0.0105 fts |
| T70389 | Latitude 36 57 55.62624 N | -0.0010 | 0.0053 fts |
| | Longitude 101 03 13.05125 W | 0.0010 | 0.0050 fts |
| | Height 2831.9387 | 0.0990 | 0.0095 fts |

INSET



INSET

