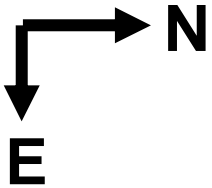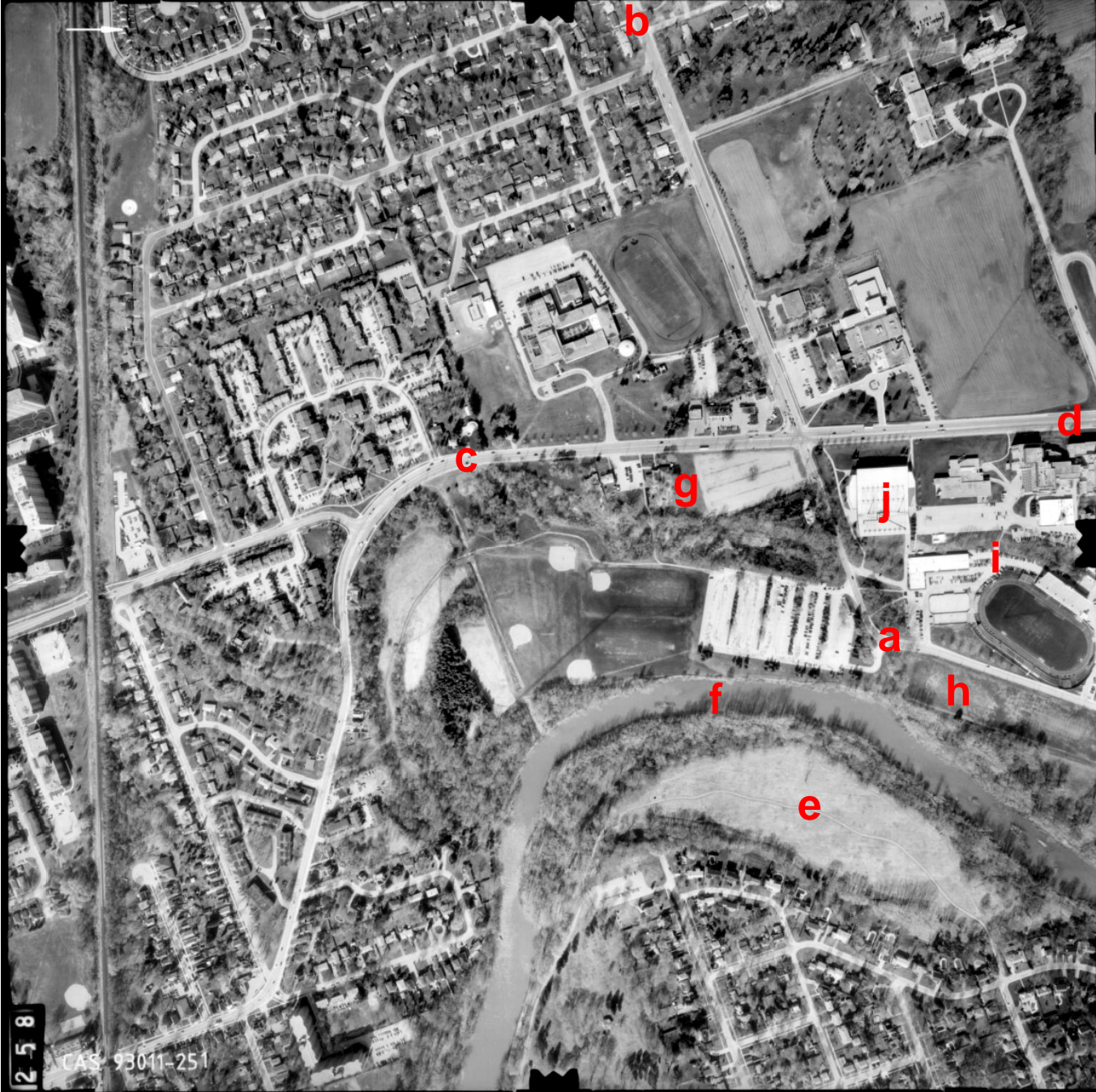# Stereo Data Collection Diagnostic

- Open Erdas Imagine (It is now Leica actually), start stereo analyst

- In file menu select orthobase block file

- browse to the folder on geomatics drive: \share\bethel\ce503\london and select "western_accuracy.blk" (some installations have this in an example folder). If you are unable to connect to drive I will supply on cd

- Model 251 / 252 should come up in anaglyph stereo on your monitor

- Using red /blue (red on the left) glasses, view model in 3D

- Few navigation hints:

    - Ctrl + left-mouse-button = zoom

    - Left-mouse-button = pan

    - Scroll wheel = z

    - Mouse movement = xy

    - x + left-mouse-button = clear x-parallax

- Read x,y,z coordinates at lower left of screen

- Refer to locations indexed by letter on the photo next page

- a-b: read elevation along road centerline profile, approx. every 25m, plot the profile (in matlab, excel, …)

- c-d: same elevation profile along road centerline

- e: read elevation 10 times (without cheating using the mono view) compute mean and standard deviation

- f: read elevation of river using shadow for detail

- g,h,i: read elevation

- j: collect x,y,z building corner/vertex to describe major visible structure, build and display 3D model in autocad, matlab, vrml …

b

d

c

g

j

i

a

h

f

e

N

E

2 5 8

CAS 93011-251

Courtesy of Google Maps