When Dealing With Raster & 3D, Two Critical Issues in ArcGIS Explorer 1750

Those two incidents were reported to ESRI as reference GO0497 and GO0496.

Those two are urgently required to solve so that the capabilities are available in ArcGIS Explorer 2012.

Part 1: please provide an effective way to configure the Histogram of raster imagery layer as 'Non-stretch' in ArcGIS Explorer

> When raster imagery (or image services) added into ArcGIS Explorer, the histogram of imagery is automatically stretched as "Standard Deviation=2", which is usually causing worse imagery display (below).

> It looks that there is no option to configure the histogram in ArcGIS Explorer. If using the Enhance tool in ArcGIS Explorer to do, it wouldn't be helpful.
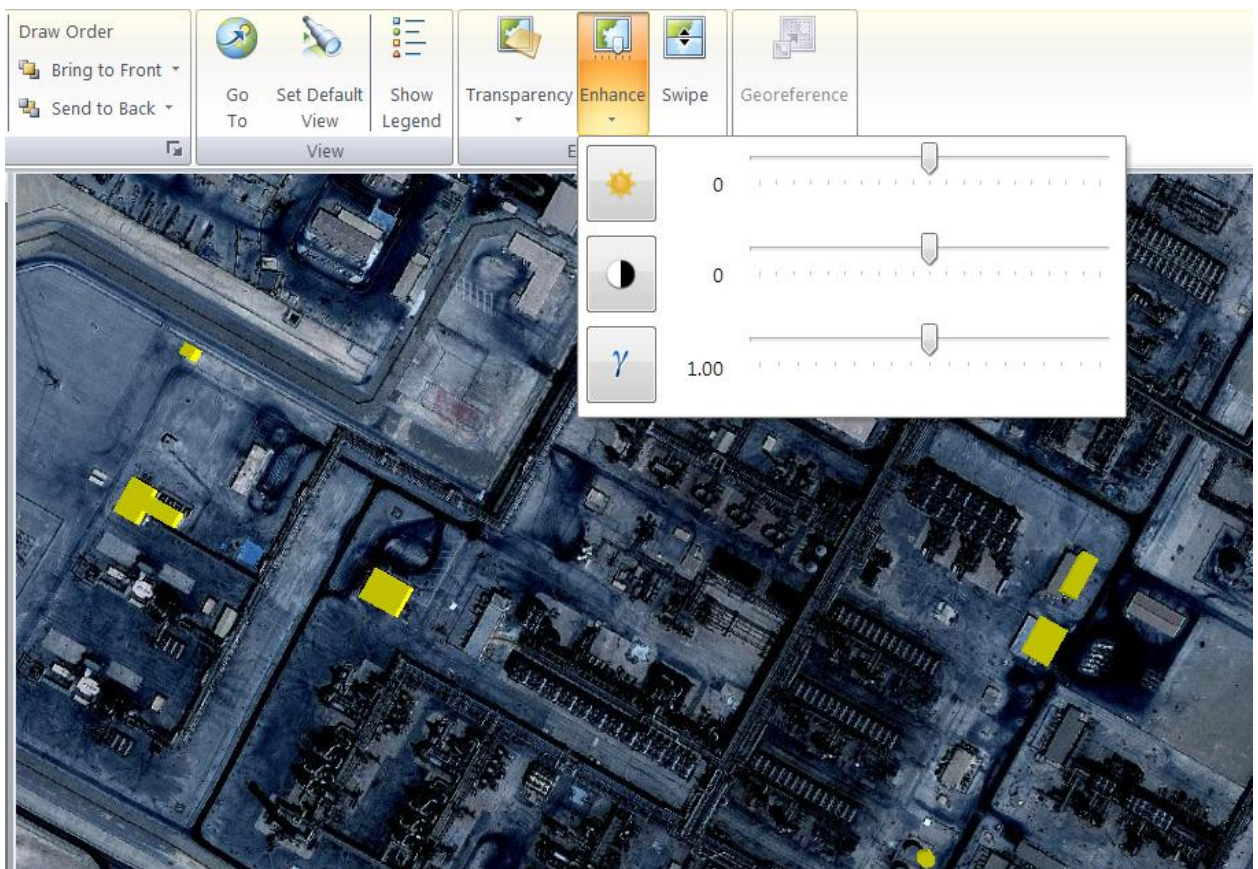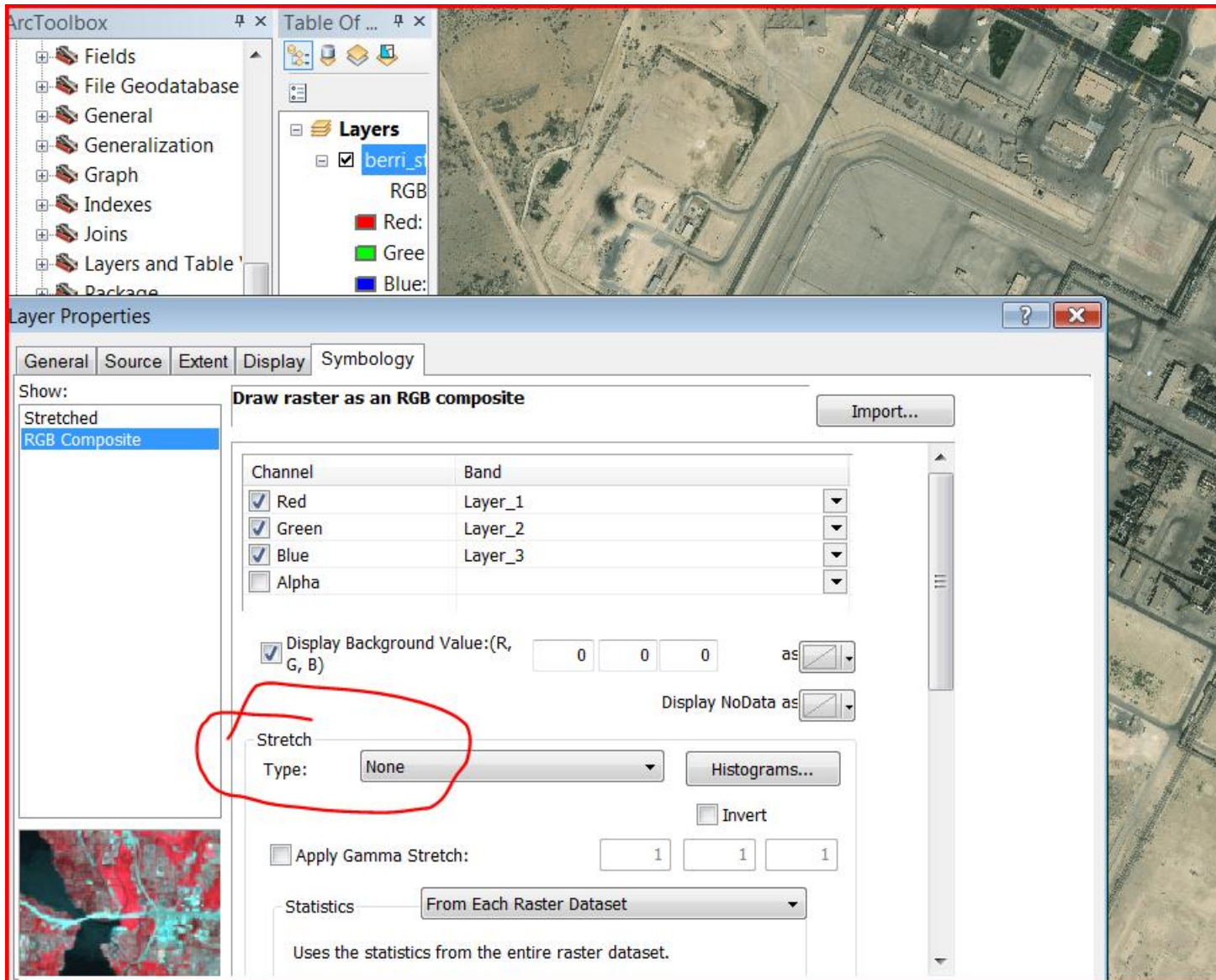

The 'Enhance' tool is not helpful to remove histogram stretch in ArcGIS Explorer
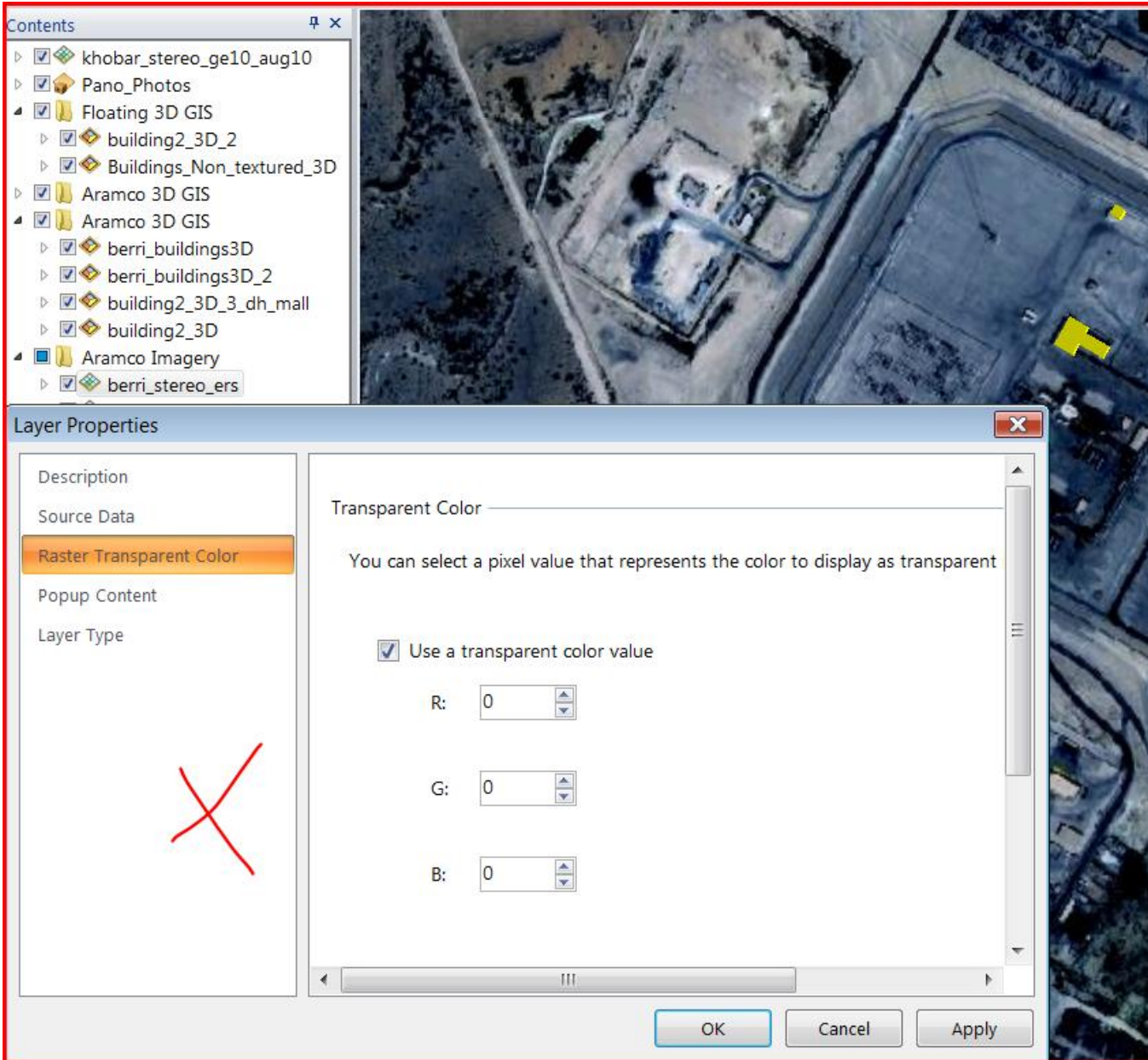
No Option to Configure Histogram Stretch in ArcGIS Explorer

In fact, our raster imagery (image services) are well-processed and usually show very good contrast and clarity in ArcMap or Erdas.

So, we need an efficient way to configure histogram of raster imagery as 'Non-stretch' (below).

Easily Configure Histogram Stretch in ArcMap

Currently, the "Enhance" tool in ArcGIS Explorer is not good and efficient enough to reach this goal because the histogram stretch is automatically done, after adding into ArcGIS Explorer (I guess that the Standard Deviation=2 built-in in the program of ArcGIS Explorer).

Part II: Please help investigate if the issue of 'multipatch feature class' display exists, that is, the multipatch feature classes couldn't display properly within ArcGIS Explorer 1750 or earlier. In another word, 3D buildings display the offset from the ground in ArcGIS Explorer. Obviously, it should be draped onto the ground surface.
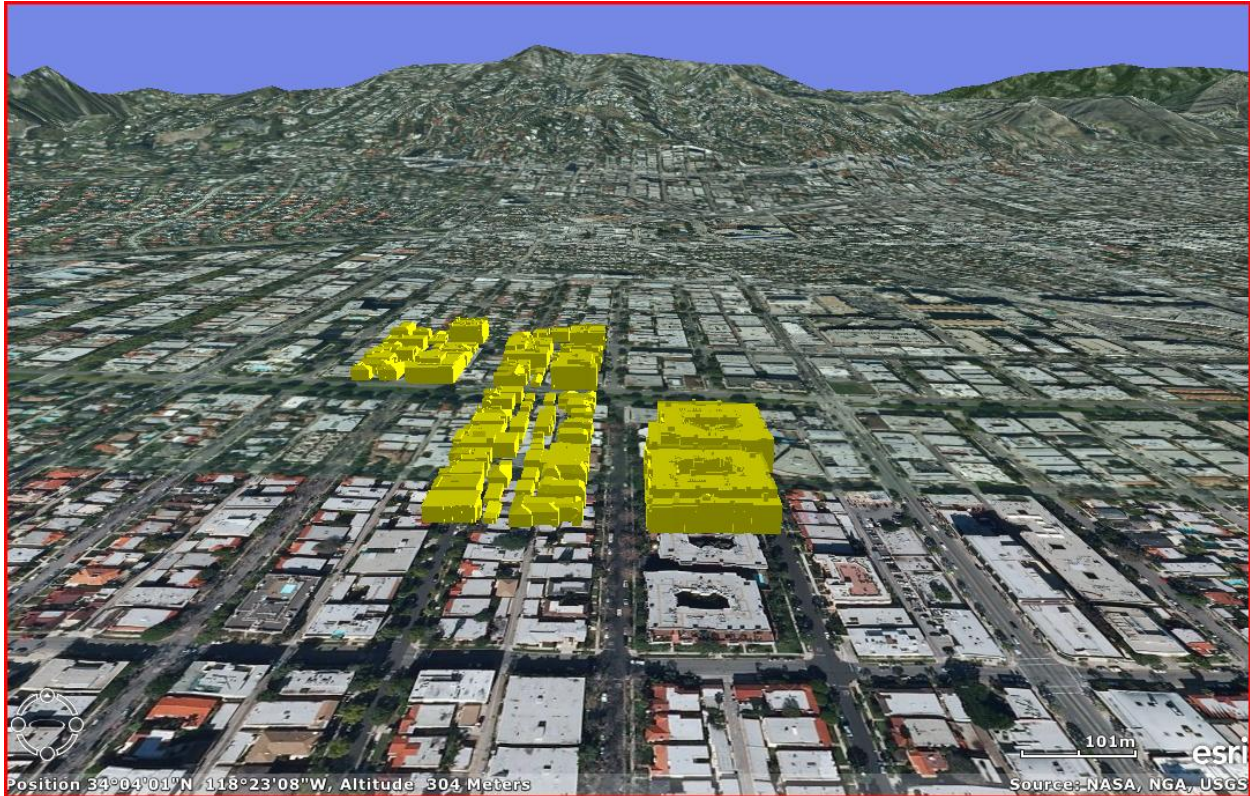
3D multipatch feature class not able to draped onto the ground surface

Worth to mention that those multipatch feature classes can be displayed correctly in ArcGlobe, but must be organized as a 'floating' layer (rather than 'draped' layer).

In fact, it should be organized as a 'draped layer' onto the ground. My guess, it may be one of reasons why the multipatch feature class couldn't display properly in ArcGIS Explorer (because there is no option to setup a 'floating' layer in ArcGIS Explorer).
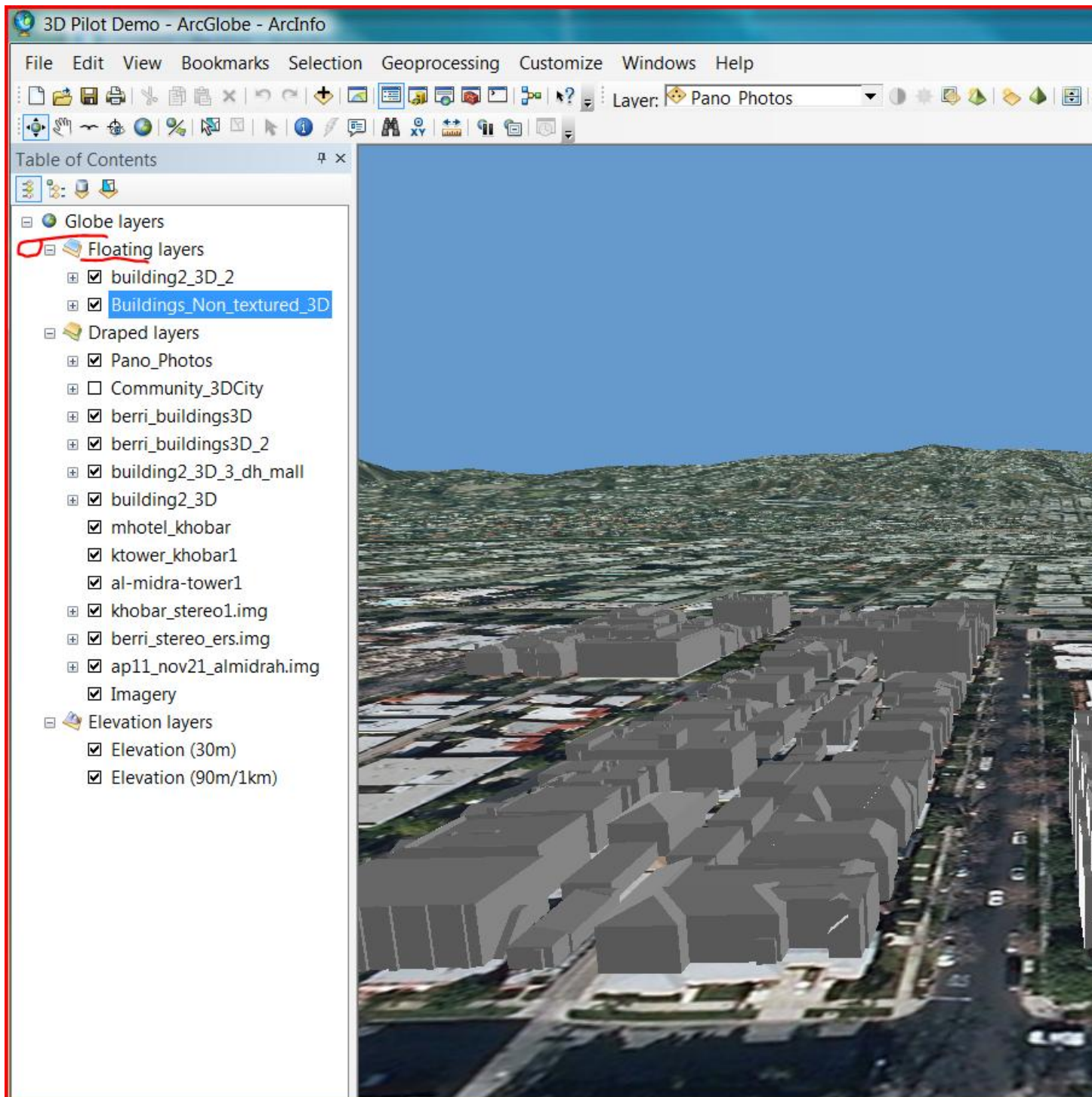
3D multipatch feature class able to be draped onto the ground surface in ArcGlobe

(But must be organized as a 'floating' layer)