



Technical Note (tcpmdt_en_v75_tra001_ProfilesFromLayers)

Generation of Cross-Sections from Layers

Date of Update:

27/11/2015

Requirements

MDT version: 5 or higher.

CAD: AutoCAD / BricsCAD / ZWCAD.

Operating System: Windows XP / 7 / 8 / 10.

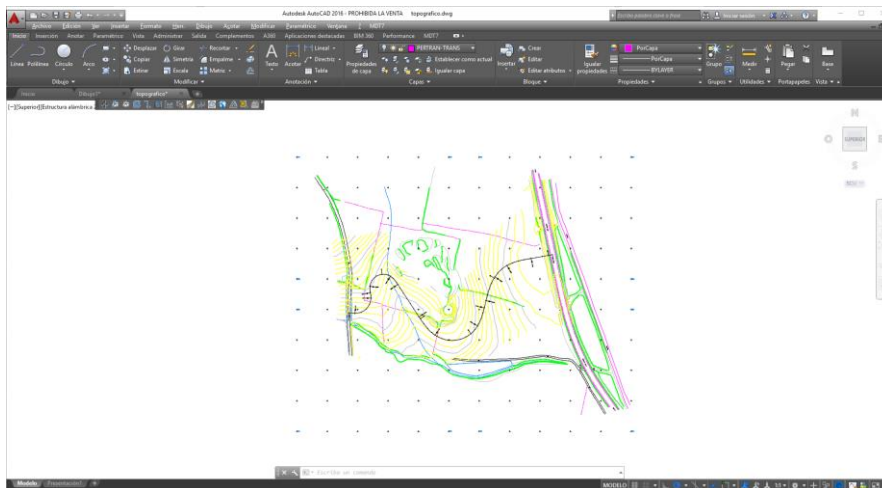
Purpose

To generate cross-sections from a map with no need to create a surface.

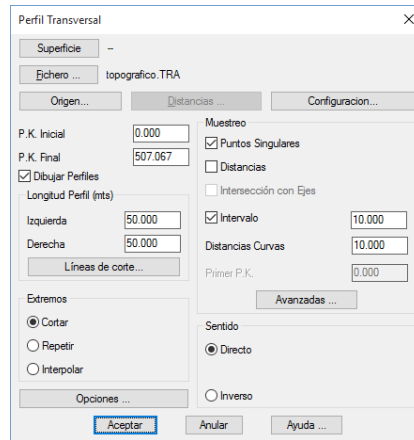
We possess cartography which features polylines with heights, whereby the aim is to generate profiles based on the height of these polylines with no need to create a surface.

Details

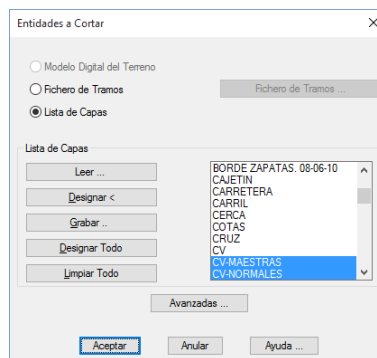
The first step is to open the drawing TOPOGRAFICO .DWG .



We then execute the command “**Cross-Sections > Obtain Profiles**”, select the graphic horizontal alignment and the following window will appear (we may be asked for the surface file, in this case click on the *Cancel* tab):

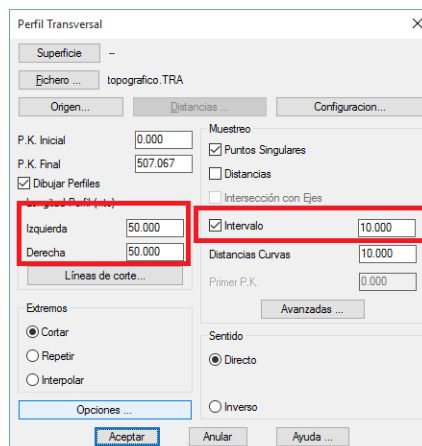


Click on the “**Origin**” tab to select the height origin to obtain the profiles, then select “**List of Layers**” to view the layers in which the polylines are located based on which we intend to generate the profiles.

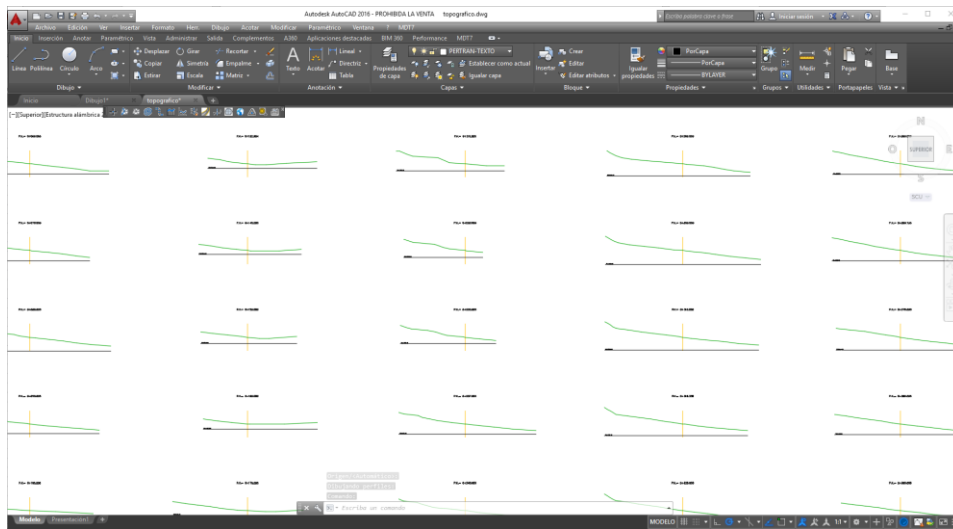


In this case we select the “**NORMAL-CV**” and “**MASTER-CV**” layers.

We select the interval for the generation of the profiles and the width of the same to the left and right, whereby they will be generated automatically.



We are then able to draw the profiles make a list of them with the “**Review Cross-Sections**” or “**List Profiles**” commands.



P.K.	Distancia	Cota	Codigo
49.841	-46.647	370.000	CV-MAESTRAS
49.841	-39.576	369.000	CV-NORMALES
49.841	-17.414	369.000	CV-NORMALES
49.841	-8.912	369.000	CV-NORMALES
49.841	0.000	368.509	
49.841	9.239	368.000	CV-NORMALES
49.841	21.123	367.000	CV-NORMALES
49.841	30.441	366.000	CV-NORMALES
49.841	42.040	365.000	CV-MAESTRAS

Buttons: Insertar..., Editar..., Borrar, Visualizar..., Imprimir..., Aceptar, Anular, Ayuda ...

We can see that the name of the layer in which the entity from which we have obtained the height is located is assigned to each of the cuts as a code.

References

1. Example data files
2. Video