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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.

<u>Details</u>

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):

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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.

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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.

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

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