Exporting Shapefile Elevation Data to AutoCAD in ArcGIS 10.2.2

Florida - ASPRS
&
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SWFWMD Disclaimer:

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As with all Geographic Information System workflows, multiple workflows may be used to accomplish similar results. The workflows presented in these Webinars represent the most common workflow used at the SWFWMD.

The District strongly recommends that all contour representations of surfaces be used for cartographic purposes and not for measurements, engineering design, or Hydrological/Hydraulic Modeling.
Step 1 – Make and Smooth Contours
Step 2 – Check Attribute Table

Make sure that Elevation Field is present (and populated), Select and Remove Contours < 150’
Step 3 – Export to DXF

Right-click on the Feature class,

Drag down to: “Export to CAD”
Step 3 – Export to DXF, con’t.
Step 4 – Examine Results

Oops… no “elevation” field in the CAD table!
Step 4 – Examine Results – AutoCAD

No Elevation Data, Again!
So… The EASY way does not seem to work.
Step 5 – Add AutoCAD Fields to the Esri Feature Class

To Export the elevation data to AutoCAD requires adding AutoCAD fields to the Esri shapefile table.
Step 6 – Calculate the AutoCAD “Elevation Field” to equal the Esri “Elev” Field

Option: Delete all non-essential fields from the Esri Feature Class
Step 7 - Export to CAD (as in Step 3) but now …

Data in the AutoCAD “Elevation” Field
And in AutoCAD ...

Press ENTER to continue:

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<tbody>
<tr>
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<tr>
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Space
at point, X=500000.2797 Y=1822068.6154 Z= 79.0000

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