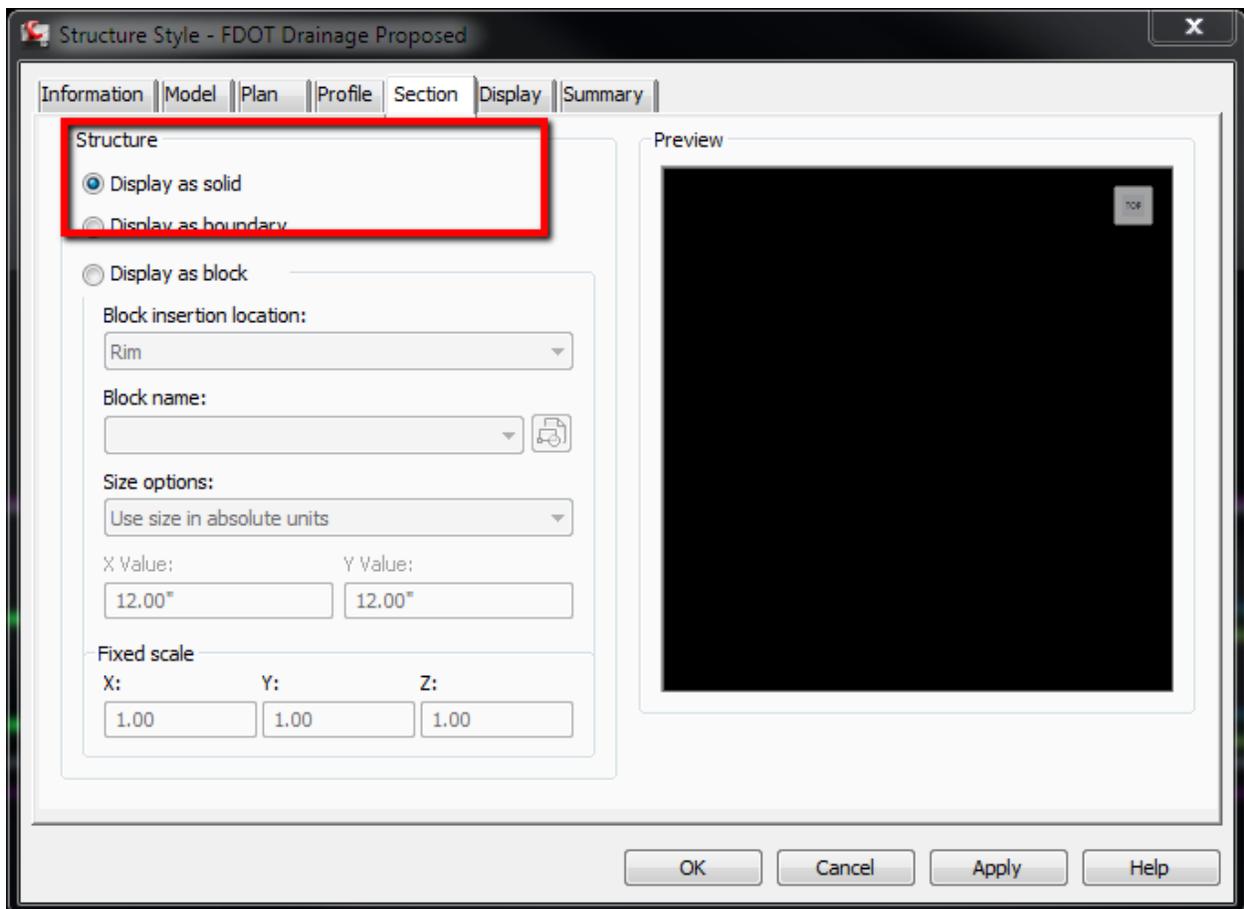


## FDOT Drainage Pilot: Using Section Volume to slice structures

This document is the step by step guide to produce the sectioned slices of AutoCAD Civil 3D pipe network structures in plan and or profile views.

### Requirements:

The Structure Style for both Profile and/or Plan needs to be set to “Display as Solid”



The Structure styles settings for Display as boundary only display the “Front” View of the structure.

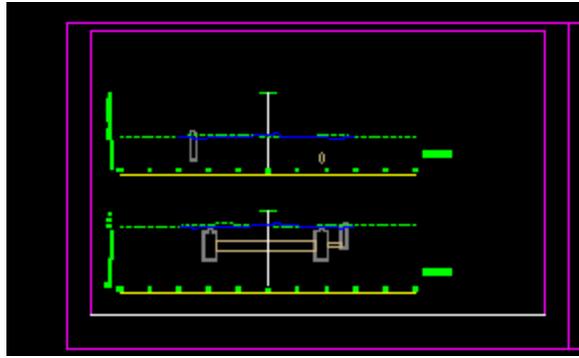
The assumption is that your AutoCAD Civil 3D part catalog structure is modeled as you might construct it and you have placed your sheets and sampled the pipe networks.

### Steps:

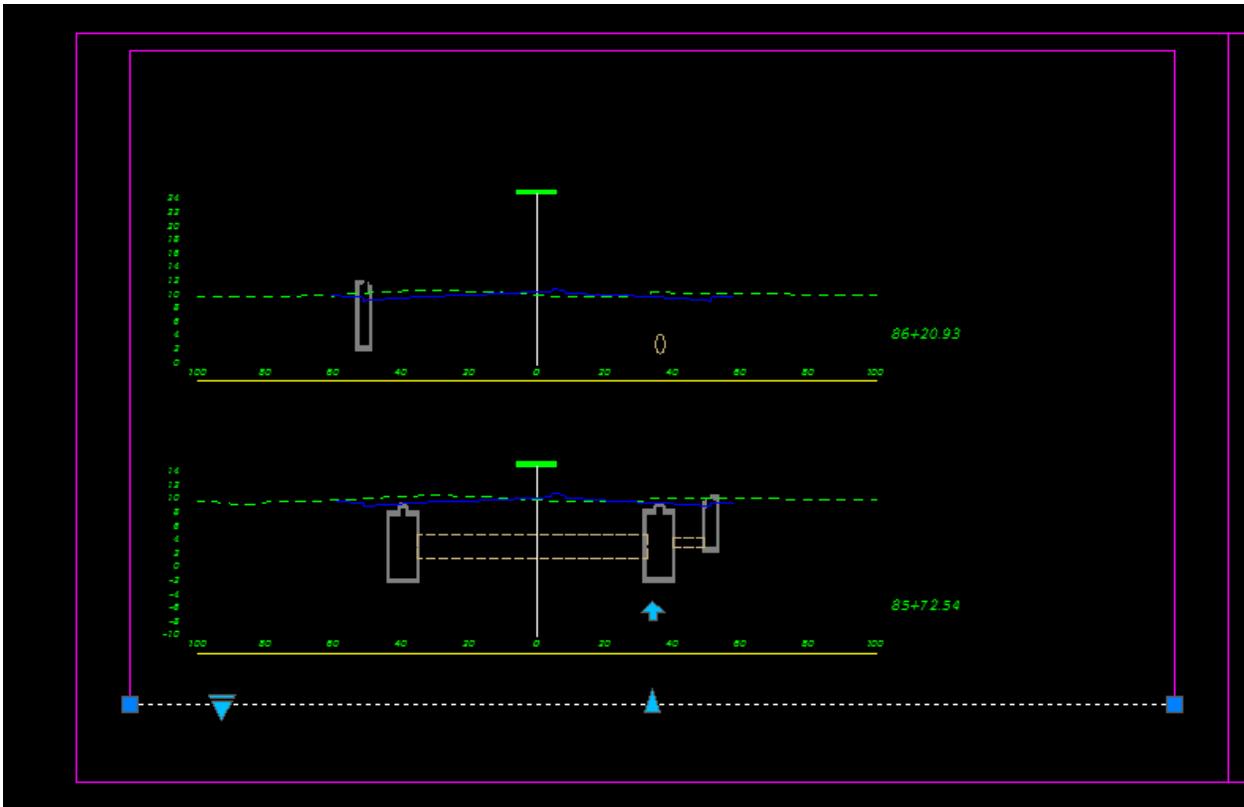
1. At the command line, type: SECTIONPLANE
2. Follow the command line:

Select face or any point to locate section line or [Draw section/Orthographic]:

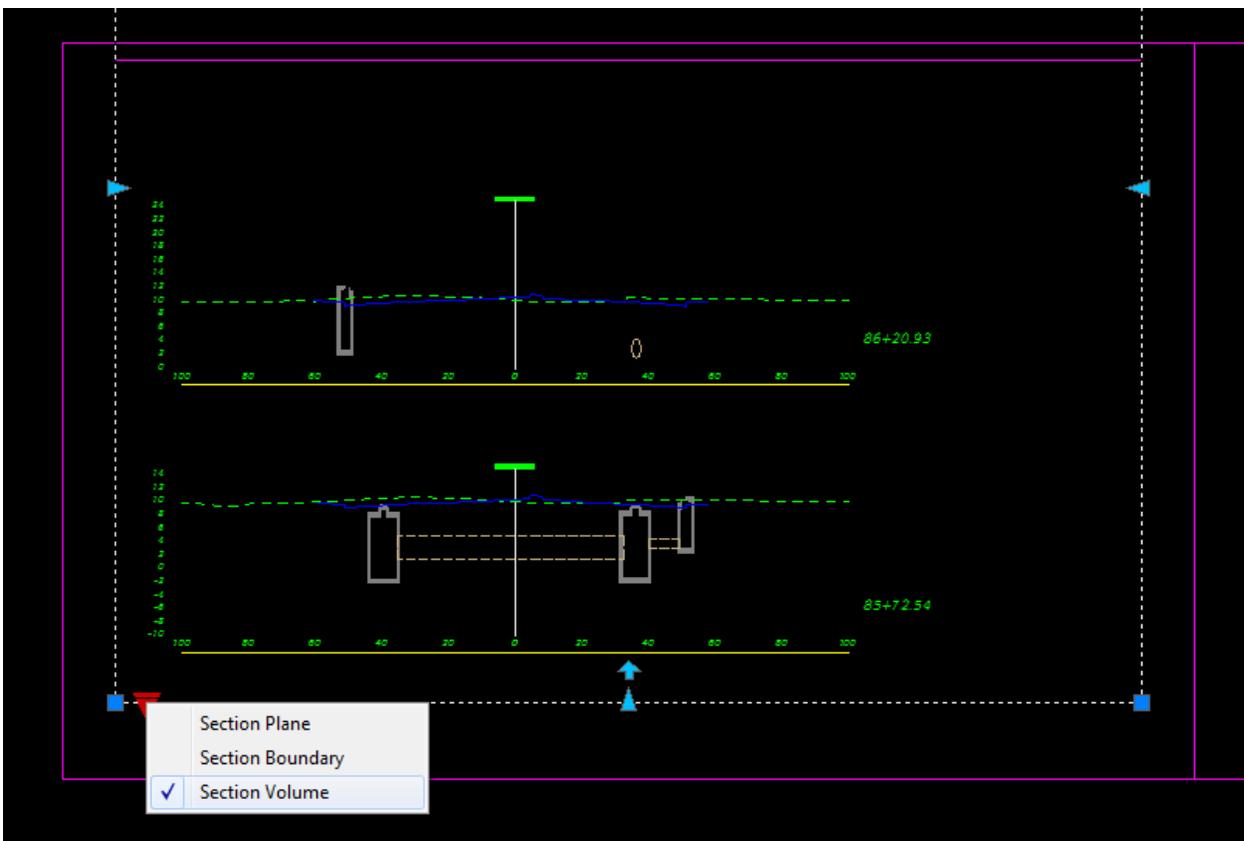
3. Draw the section plane along the bottom edge of the section sheet edge.



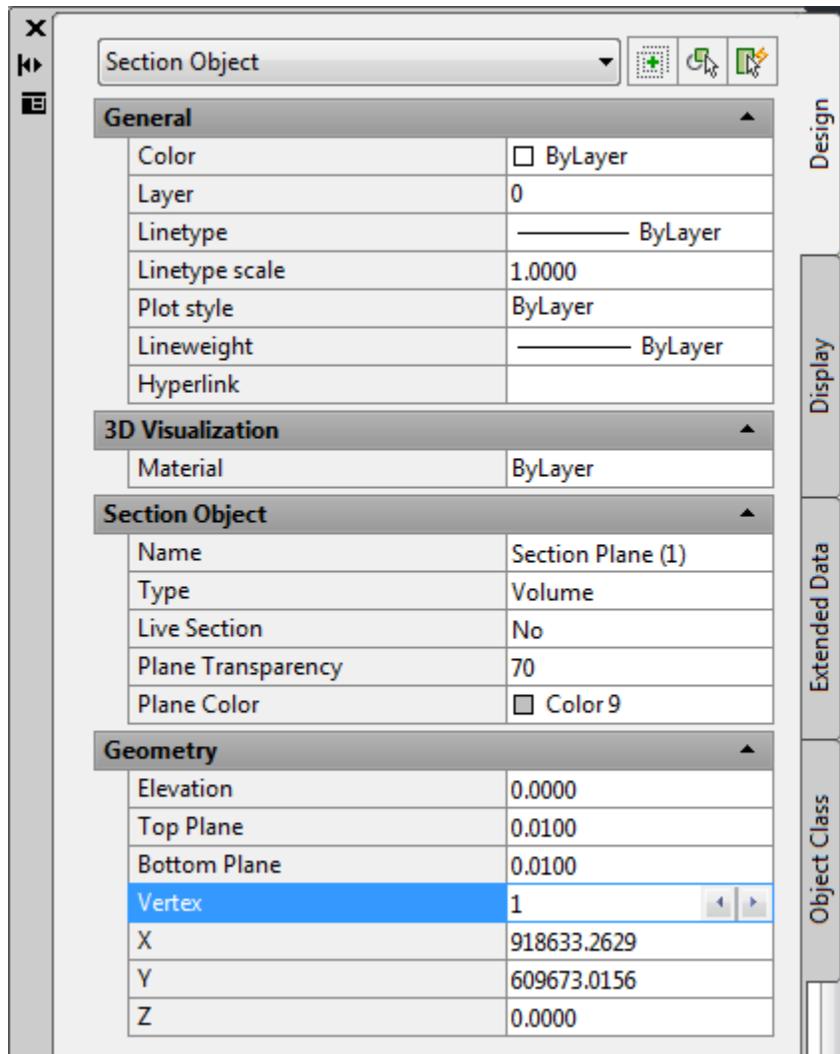
4. In the attached image, the section plane is the white line. Select the Section Plane line.



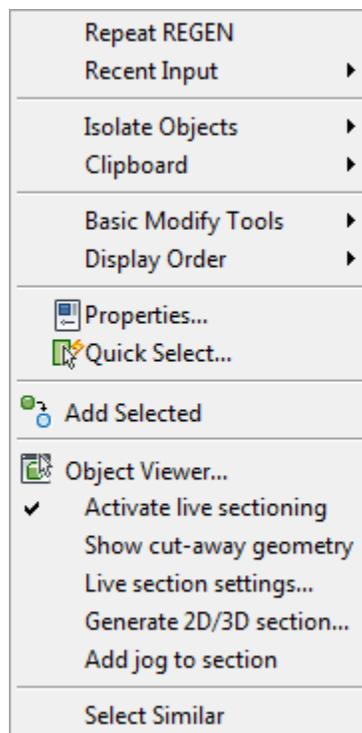
5. In the drop down icon, select Section Volume.



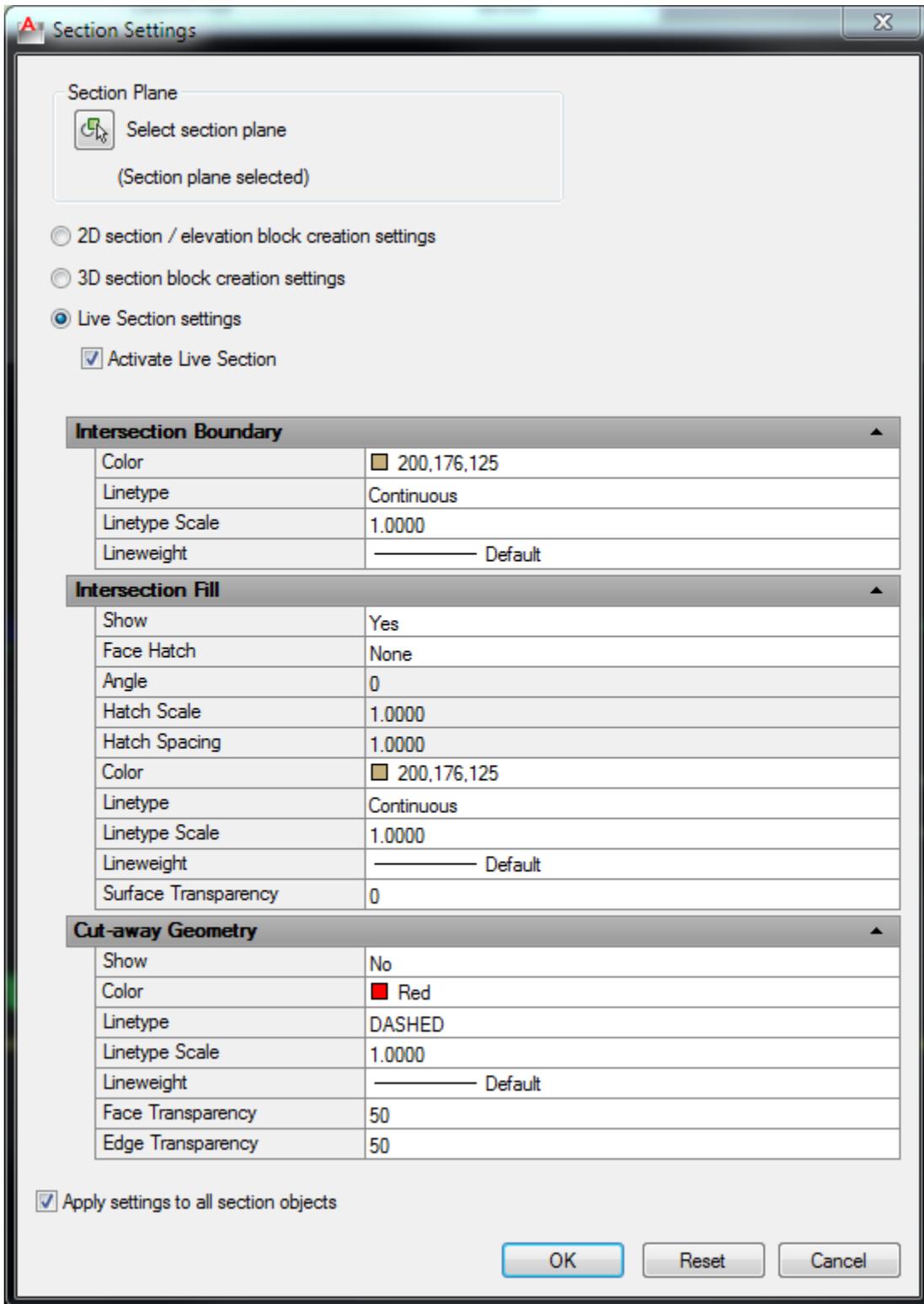
6. With the Section Volume selected, open the Properties Palette.



7. Edit the Top and Bottom cutting planes to 0.01 from 5.00
8. Again, while the Section Object is still selected, grab the triangular grips, and drag the edge of the section plane across all of the sections views as you have them laid out.
9. Right-click the section volume, and select the Live section settings...



10. Edit the Section Settings to follow the FDOT Standards.



11. Save the drawing.

