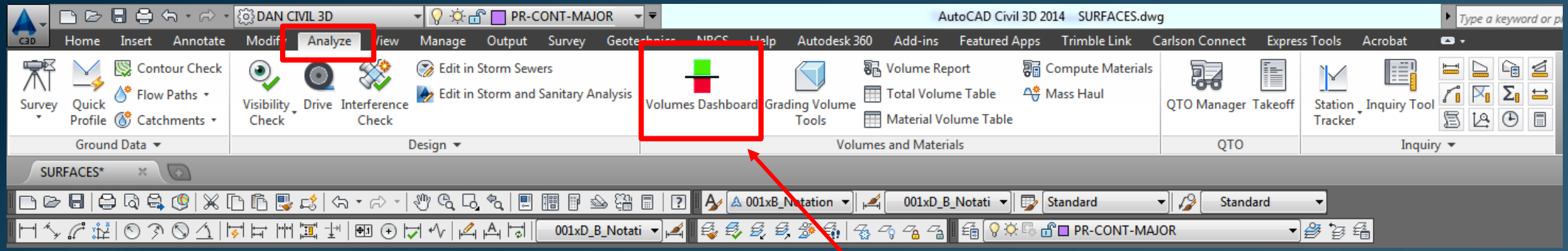
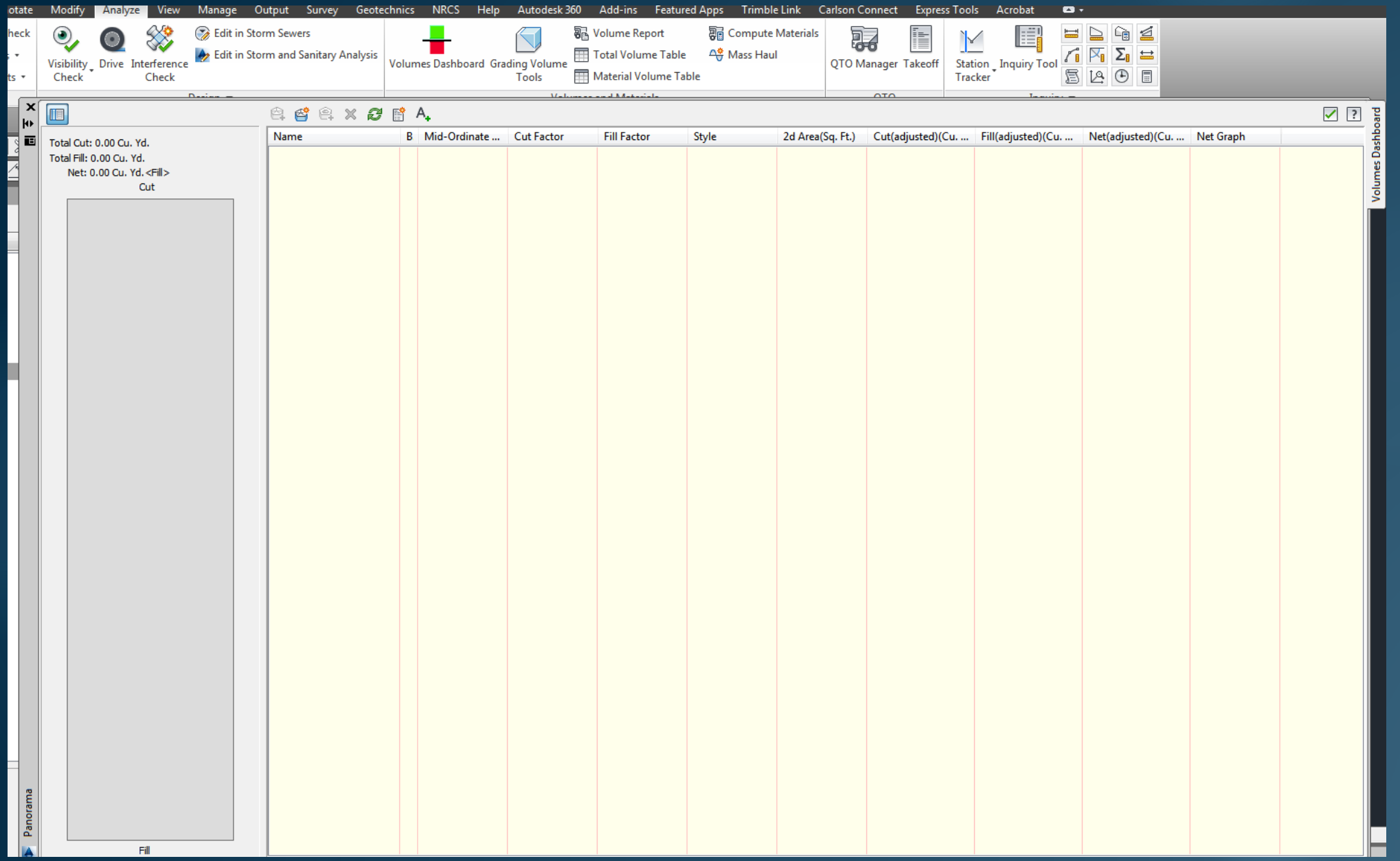
Cut/Fill

Now that you have an Existing Surface and a Proposed Surface created, you can now compare the two to come up with your volumes.

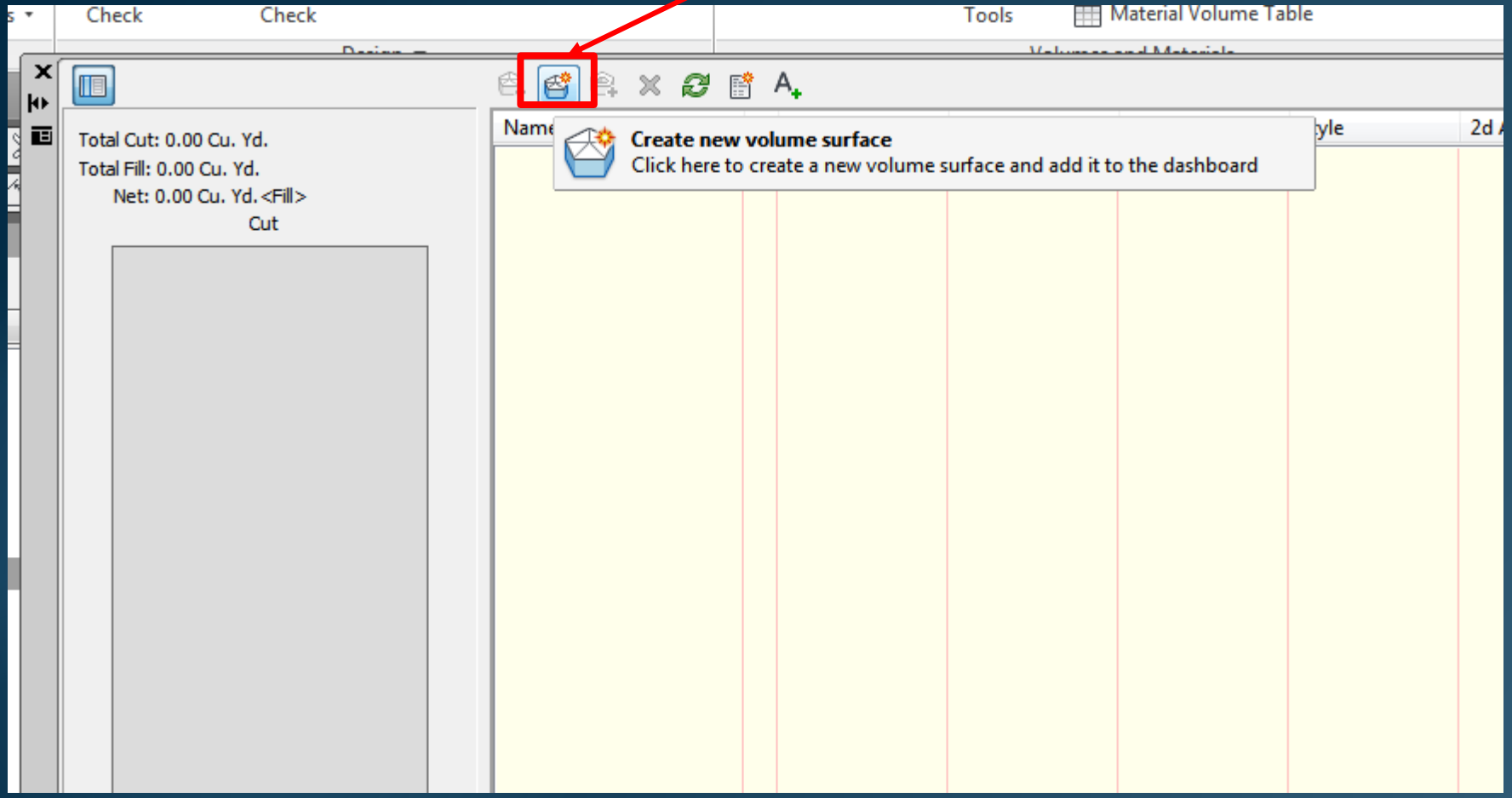


- Analyze Tab>Volume Dashboard…Click on this

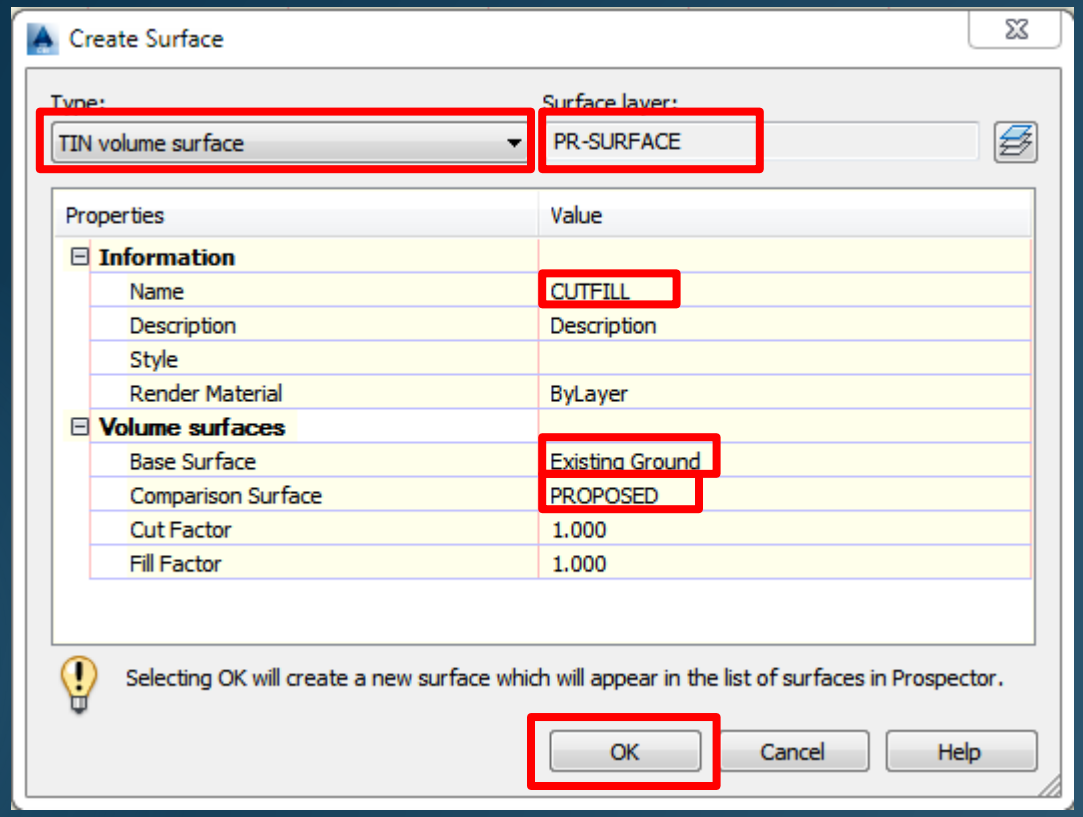
- Panorama opens up for the Cut/Fill Dashboard

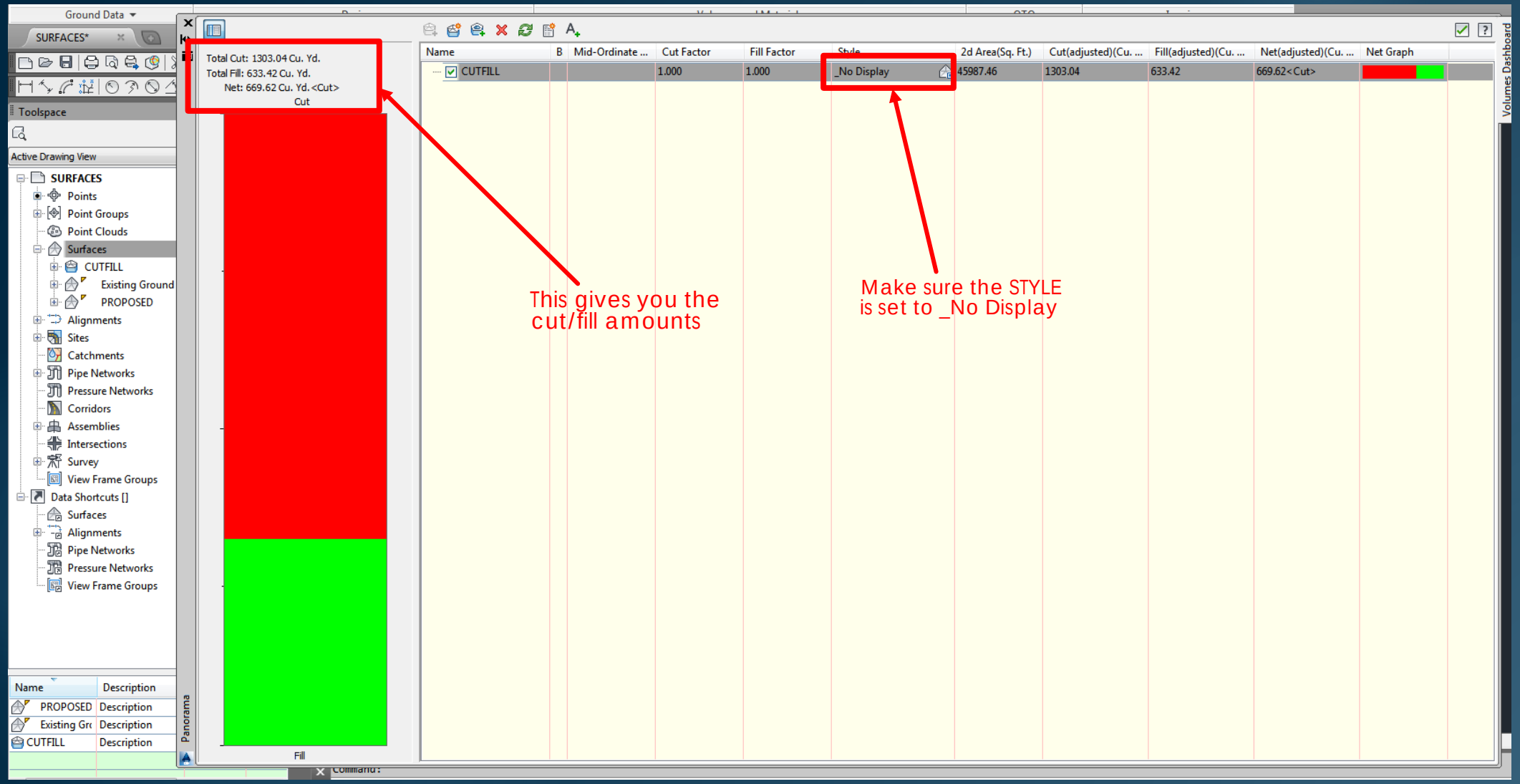


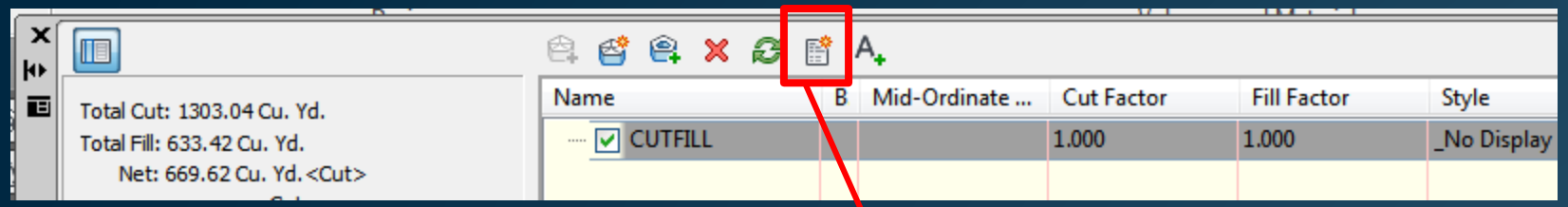
Click Create new volume surface



Fill out the information as shown




Total Cut: 1303.04 Cu. Yd.
Total Fill: 633.42 Cu. Yd.
Net: 669.62 Cu. Yd. <Cut>
Cut
Fill
Name
B
Mid-Ordinate ...
Cut Factor
Fill Factor
Style
2d Area(Sq. Ft.)
Cut(adjusted)(Cu. ...
Fill(adjusted)(Cu. ...
Net(adjusted)(Cu. ...
Net Graph
CUTFILL
1.000
1.000
_No Display
45987.46
1303.04
633.42
669.62<Cut>
This gives you the cut/fill amounts
Make sure the STYLE is set to _No Display
Ground Data
SURFACES*
Toolspace
Active Drawing View
SURFACES
Points
Point Groups
Point Clouds
Surfaces
CUTFILL
Existing Ground
PROPOSED
Alignments
Sites
Catchments
Pipe Networks
Pressure Networks
Corridors
Assemblies
Intersections
Survey
View Frame Groups
Data Shortcuts []
Surfaces
Alignments
Pipe Networks
Pressure Networks
View Frame Groups
Name
Description
PROPOSED
Existing Gr
CUTFILL
Volumes Dashboard
Panorama



This will allow you to create a report and print it as a PDF

C:\Users\dan.polite\AppData\Local\Temp\1\CutFillReport.xml

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Cut/Fill Report

Generated: 2017-04-30 22:35:27
By user: Dan.Polite
Drawing: N:\CAD\C3D TRAINING 2016\TRAINING SESSION #4 - SURFACES\N:\CAD\C3D TRAINING 2016\TRAINING SESSION #4 - SURFACES\SURFACES.dwg

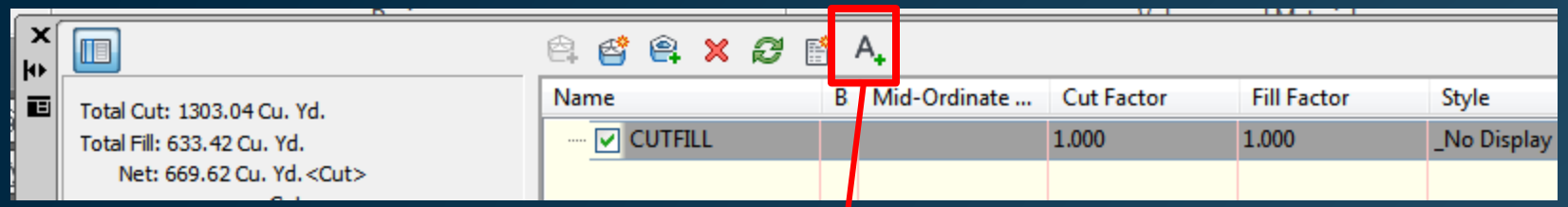
Volume Summary

Name	Type	Cut Factor	Fill Factor	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
CUTFILL	full	1.000	1.000	45987.46	1303.04	633.42	669.62<Cut>

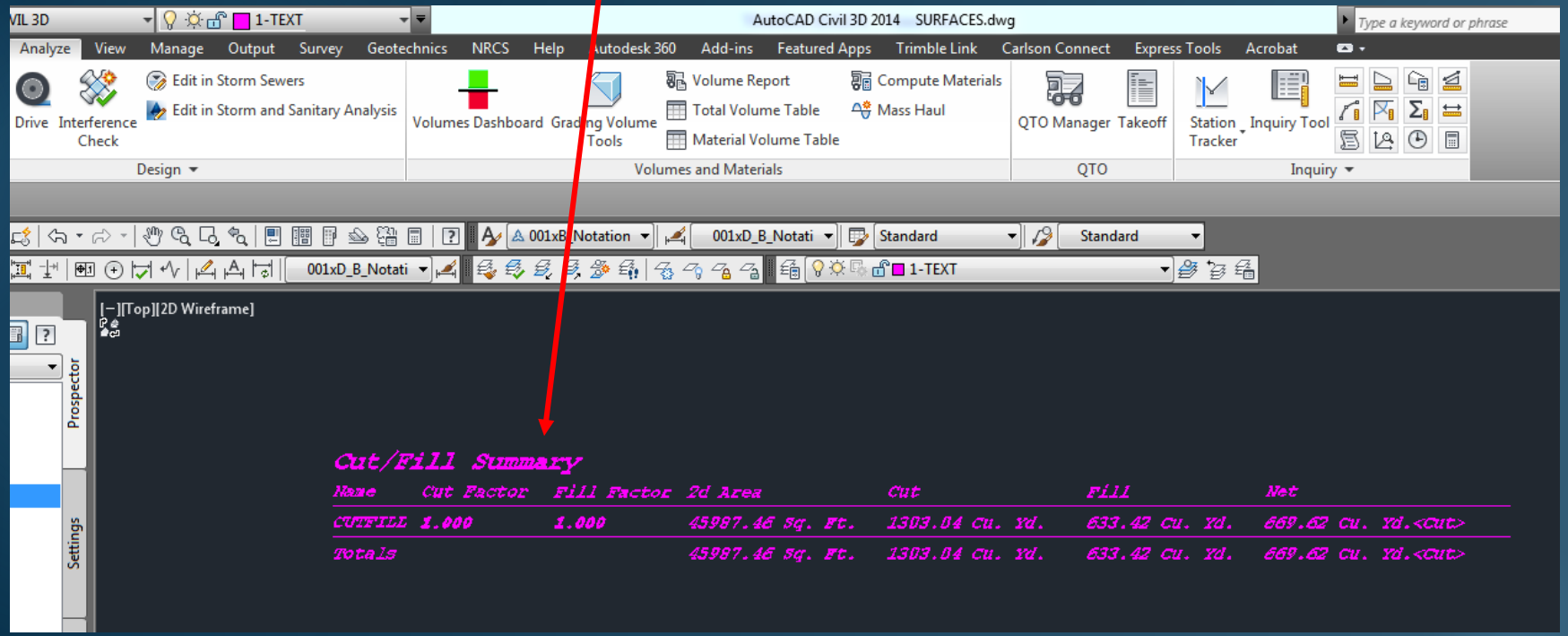
Totals

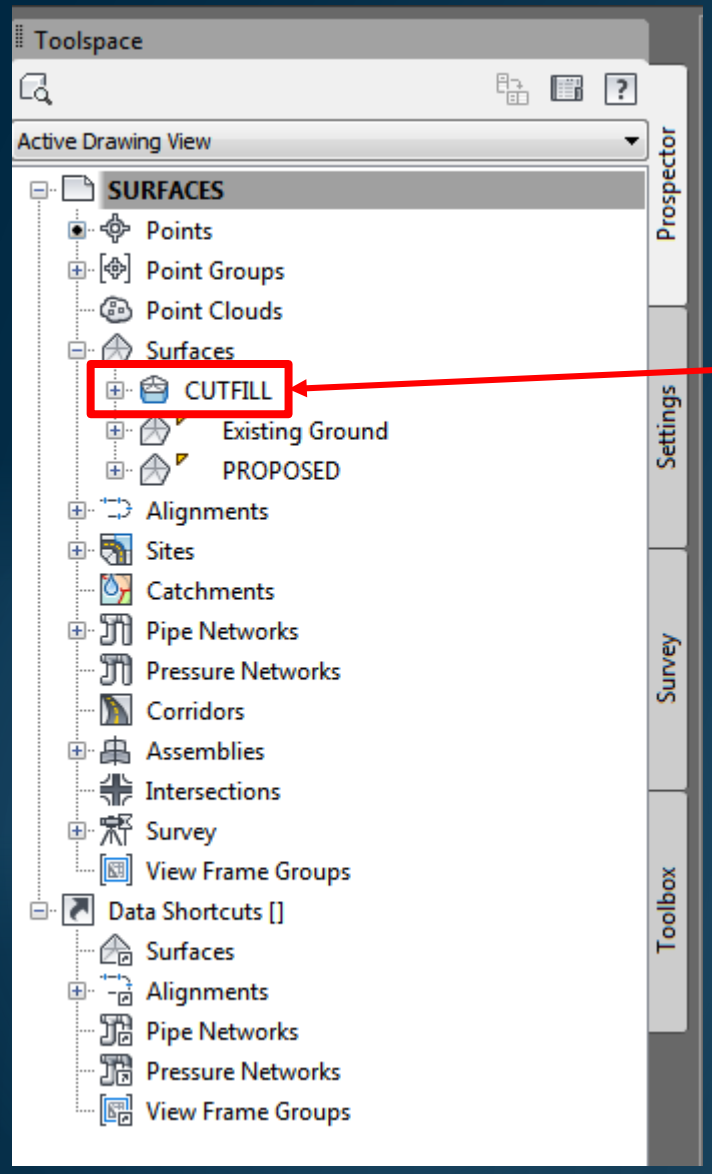
	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Total	45987.46	1303.04	633.42	669.62<Cut>

* Value adjusted by cut or fill factor other than 1.0



This will allow you to insert the cut/fill information into your drawing





This is the CUTFILL surface that you created. It should not be displayed if you set the STYLE correct.

- You can see all 3 surfaces that have been created when you hoover over any location within the proposed area