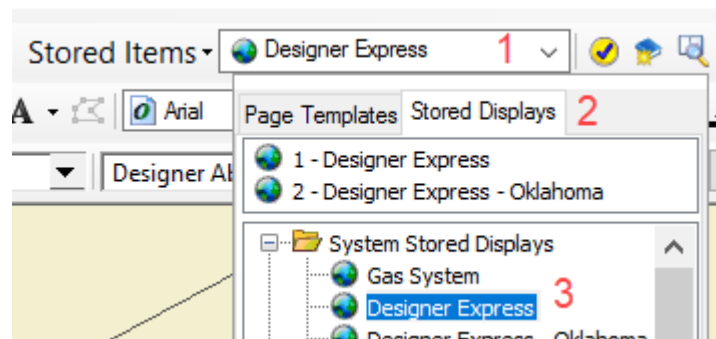


EXPORTING – DESIGNER EXPRESS TO CAD

The below steps will assist you in exporting line work, such as existing pipe, from DX over to your CAD design.

Designer Express

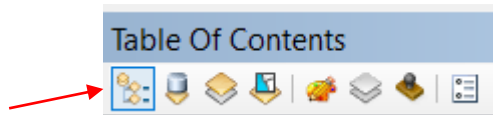
- Login to ArcMap Designer Express via Citrix
- Open Designer Express
 - Stored Items > Stored Displays tab > Designer Express



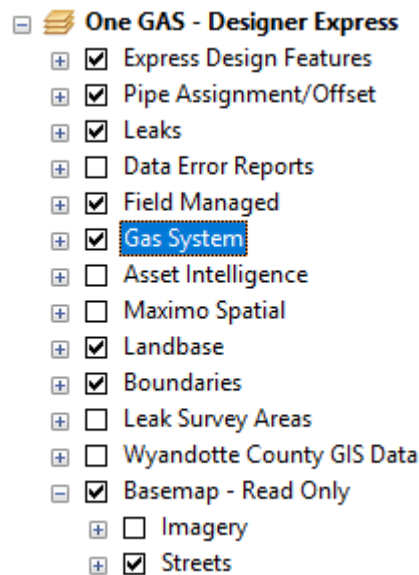
- Click on the Find icon (Binoculars) to find and then *zoom to* your location
- Click on the Select Features icon



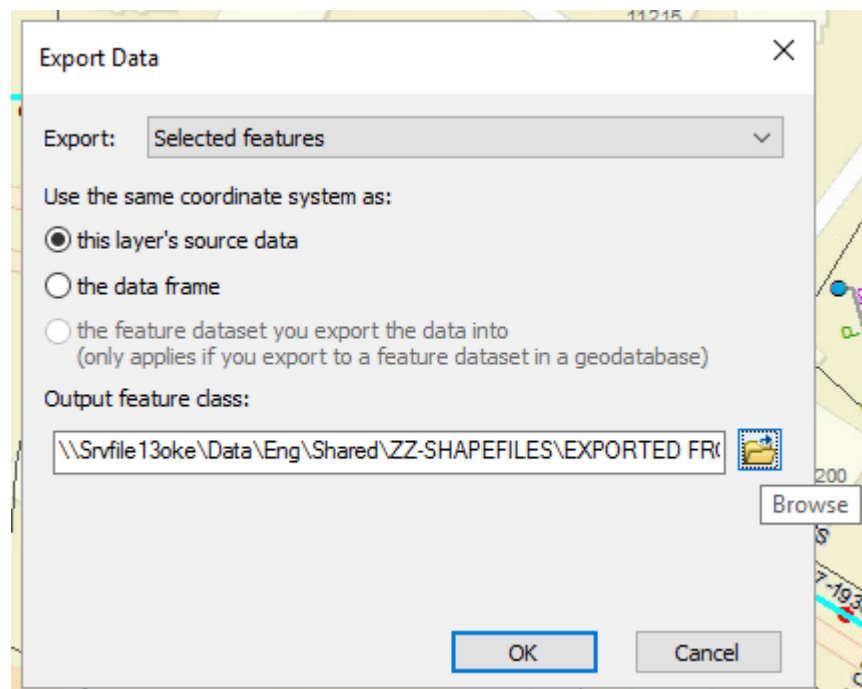
- Window over (click and drag) the features that you want to export and get rid of anything that you don't want by:
 - Going to the Attribute Editor
 - Clicking on the Selection tab
 - Click on the feature that you want to export (e.g. *Distribution Main by Material*)
 - Right click on that highlighted feature and choose "Remove Other Items From Selection"
- Go to the Table of Contents
 - Choose "List By Drawing Order" - highlighted below



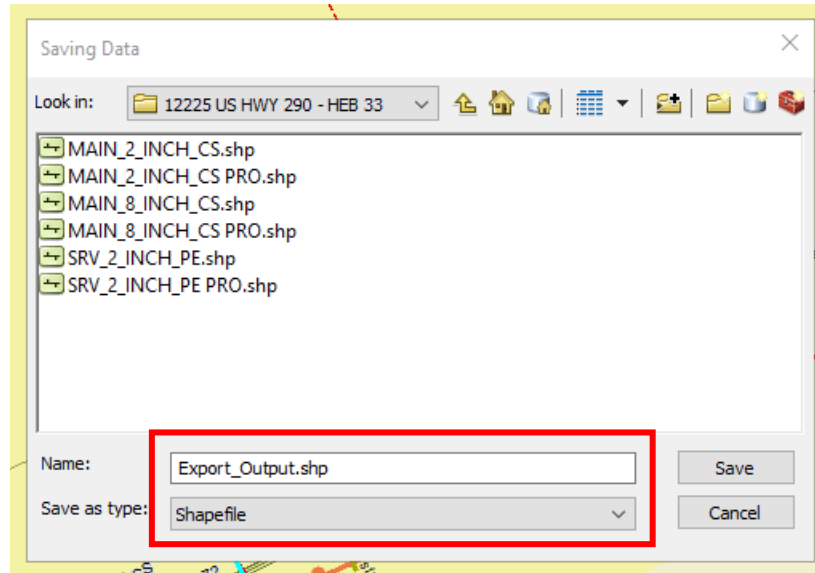
- Find and expand GAS SYSTEM



- Find and right click on DISTRIBUTION MAIN BY MATERIAL
 - (or choose DISTRIBUTION SERVICE BY MATERIAL if that's what you are exporting)
 - Click on Data
 - Click on Export Data
- Save in your designated folder by clicking on the yellow Browse icon and then mapping to the following file path in the drop-down menu:
 - \\srvfile13oke\data\eng\shared\ZZ-SHAPEFILES\EXPORTED FROM DESEXP\YOUR-FOLDER

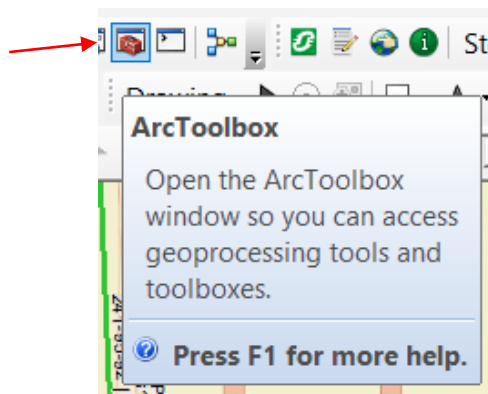


- Rename the file from *Export_Output.shp* to whatever you want to use
 - e.g. SRV_2 INCH_PE
- Save as type: Shapefile



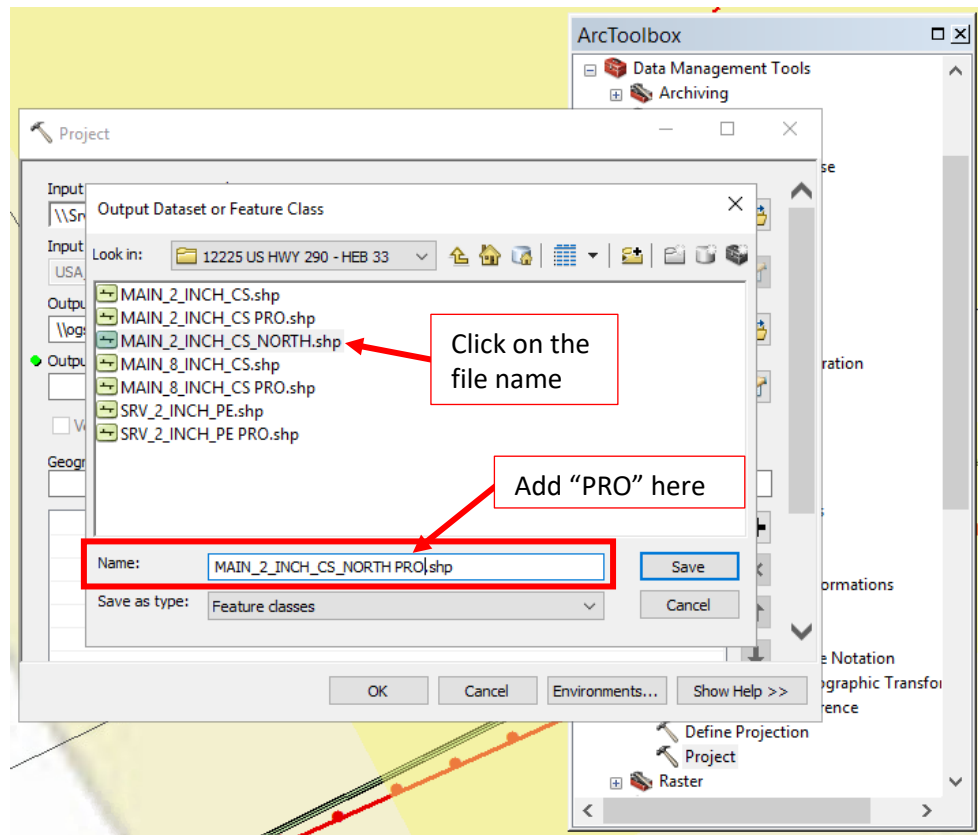
****MAKE SURE YOU SAVE THE FILE AS A SHAPEFILE****

- Click Save and then OK
- Wait for Export to complete
- "...add the exported data to the map as a layer?" – **NO**
- Click on the red **ArcToolBox** (highlighted below) – can usually be found on the top row of icons in DX



- Click and expand Data Management Tools
- Click and expand Projections and Transformations
- Double Click on Project
 - *Input DataSet or Feature Class*
 - Click on the yellow Browse folder icon

- Select the .shp file you just exported and renamed (*if you don't see it straight away, you might have to click on the drop-down menu again and drill down to your folder in ZZ-SHAPEFILES*)
- Click on Add or Save
- **Output DataSet**
 - Click on the yellow Browse folder icon
 - Select the .shp file you just exported and renamed
 - Click in the Name field and add PRO to the end of the file name, but before the .shp extension (see screenshot below)
 - The “Save as type” field stays the same (*Feature classes*)
 - Click on Save



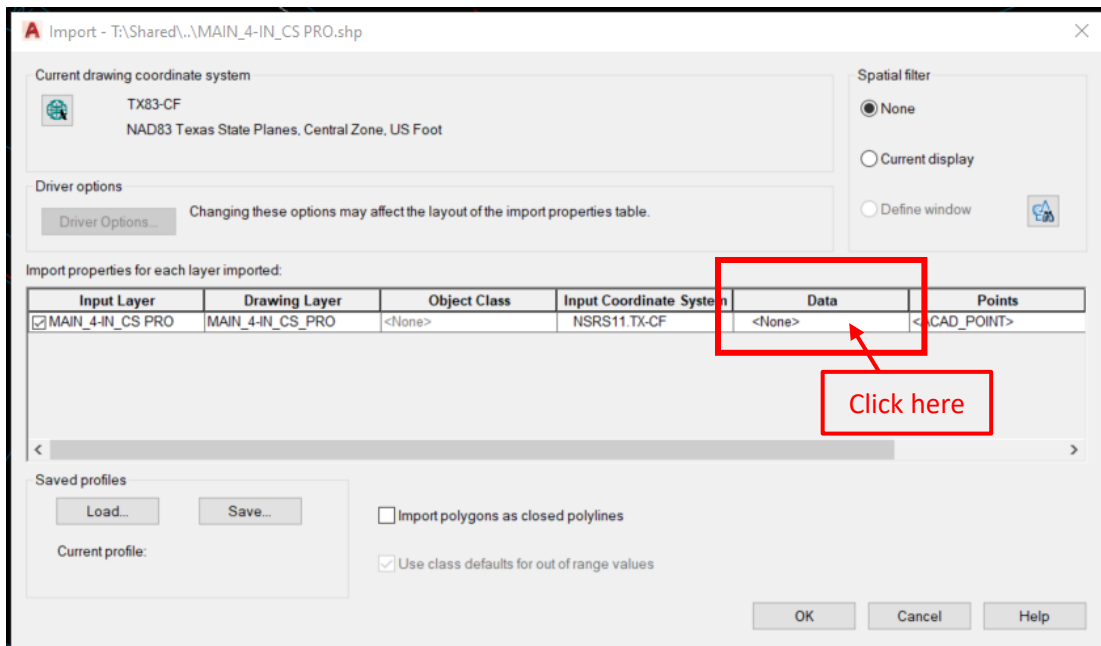
- **Output Coordinate System**
 - Click on icon (*looks like a hand pointing at a sheet of paper*)
 - Expand on Projected Coordinate Systems
 - Expand on State Plane
 - Expand on NAD 1983 (2011) (US Feet)
 - Scroll down and select your Coordinate Zone
 - *Most of our work should be CENTRAL FIPS 4203*
- Click OK; click OK again
- You might see either and/or both of the following while the export is progressing:
 - a pop-up box showing any progress
 - a tiny globe in the bottom right-hand corner spinning around

- if all goes well, these just disappear when the export is complete
- After the export completes, you may see a very small blue-ish colored box show up somewhere in the bottom right-hand corner of your monitor; it will have a tiny hammer with the word “Project” and a green check mark next to it – it will also disappear after a few seconds
- **Repeat the above steps for any other features that need to be added**
 - i.e., do the above for each Main you want to export, then again for each Service

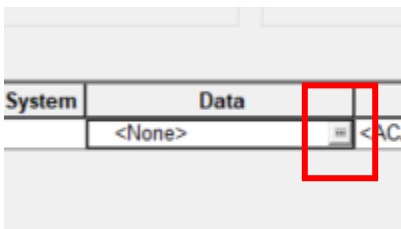
Civil 3D

Now you will switch over to Civil 3D so that you can import your line work that you just exported from Designer Express (DX)

- Open your Project or a New Template File
- Type MAPIMPORT
- Go to the project folder that you set up in ZZ-SHAPEFILES
- Select the .shp file with “PRO” behind it
- Click OK
- At the pop-up box, find the DATA field and click in the box next to <None>



- At that point, you should see a very small button/icon appear in the box where you just clicked:



- Click on the button/icon that has just appeared
 - At the “Attribute Data” pop-up box, choose **Create Object Data**
 - Click OK, then click OK again
- Your line work from DX should now appear in your CAD dwg
- Change your line work in your CAD design to the correct layer

Note: Data attributes for your linework have been exported into your design from Designer Express and can be viewed under PROPERTIES