17_19 Plotting TOPO with Geopak Plan and Profile Sheet Layout

Question:
Will you please look into how the Plan Sheet Composition assigns the logical name? I noticed on project TIP# when I used Plan Sheet Composition it assigned the logical name as TIP#p1.pln_4_1_98, TIP#p2.pln_4_1_99, etc. which also causes the topo to print dark. Can this be fixed or will we in the future have to change this manually?

Answer:
The Geopak Plan and Profile Sheet Layout Tool automatically assign a logical name when creating a new plan or profile sheet. The logical name is base of the referenced file name, followed by a series of number. First number is the sequence number. The second number is reference nested reference index number. The third number is a unique number increment by 1 as each referenced file is being attached for each sheet being created.

For the above example, TIP#p1.pln_4_1_98;

Reference File Name = TIP#p1.pln
Sequence = 4 (forth sheet or sheet number 8)
Nested Index = 1 (Live Nested Reference set to Zero)
Unique Referenced File Number = 98 (Next Unique Referenced File Number is 99)

Not sure what formula is used to determine the first unique reference file number. Sometimes it is the number of referenced files in the clipping file (DSN) times the number of sheet being placed. Other times is arbitrary. Nonetheless, it is not important and there is nothing we can do about it (internally coded).

Manual modification to the logical names is not an option. The roadway design script has been modified to include a logical name of "*pln_" as a file to plot light. Furthermore, as we are getting closer to standardizing the Geopak Plan and Profile Sheet Layout Procedure and Microstation models will be used for all sheets (plan, profile, and currently cross sections (XPL)), we will need to shift our focus to not just to what type of file needs to plot out light, but what Unit's files does Roadway need to plot out lighter than our darker proposed design elements.

To avoid future potential problems we may encounter with Geopak Plan and Profile Sheet Layout tools and new TOPO file names from Location and Surveys and Photogrammetry, the Roadway design script will include the addition of "*_ls_*" and "*_ph_*" logical name designation referenced files to plot out light. Note that attaching referencing files through our normal conventional methods do not automatically assign logical names.