

# MicroStation V8 Seed Files

Design Manual

Chapter #1

General Information

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There are two main types of seed files available for V8 projects, which can be generally described as design seed file and sheet seed files.

- Design seed files are used to lay out the geometric aspects of a project. These seed files initially contain only one model, the default model. Additional models will be created later, as needed for specific uses, such as a mainline model, a sideroad model, a detour model, etc. The items placed in these files are drawn to real-world size, and are located at the correct state-plane coordinates. Later, these design files will be referenced, as part of the Geopak Sheeting process, to build the plan sheets.

The seed files in this group, available at this time, are as follows:

- **dsnSeedEng2D.dgn** – an ordinary 2D file that can be used to create a .DSN, .GEO, or .SOL file
  - **dsnSeedEng3D.dgn** – an ordinary 3D file that can be used to create visualizations or DTMs
  - **dsnSeedEng.pho** – used by Photogrammetry to create existing topography files. The file contains several pre-created models.
- Sheet seed files are used to depict plotable plan sheets in the plan set. Within this sheet seed file group, there are two subgroups.
    1. The first subgroup contains sheets that are created using Geopak Sheeting. These sheets do not require anything special in the way of a seed file, (an ordinary design file is used to create a motif file, which Geopak then uses as a seed file for creating the sheet).
    2. The second subgroup contains sheets that are created manually (without Geopak). These sheet seed files will generally contain several models, one of which will be called the “Working” model. The Working model contains all original drawn elements used to “build” the sheet. There will be several additional models with names like “01”, “02”, “03”, etc. These models reference a single sheet from the “Working” model, and are only used for printing purposes.

The seed files in this group that are available at this time are as follows:

- **dsnSeedEng.A** – This file is used to create the “A” series of sheets in a plan set
- **dsnSeedEng.B** – This file is used to create the “B” series of sheets in a plan set
- **dsnSeedEng.C** – This file is used to create the “C” series of sheets in a plan set
- **dsnSeedEng.G** – This file is used to create the “G” series of sheets in a plan set, and is used in conjunction with a VBA macro written by Bentley (download separately)
- **dsnSeedEng.U** – This file is used to create the “U” series of sheets in a plan set
- **dsnSeedEng.W2800** – These files are used to create 2800 ft. wide cross section sheets
- **dsnSeedEng.W1400** – These files are used to create 1400 ft. wide cross section sheets
- **dsnSeedEng.W0560** – These files are used to create 560 ft. wide cross section sheets
- **dsnSeedEng.W0280** – These files are used to create 280 ft. wide cross section sheets
- **dsnSeedEng.W0140** – These files are used to create 140 ft. wide cross section sheets