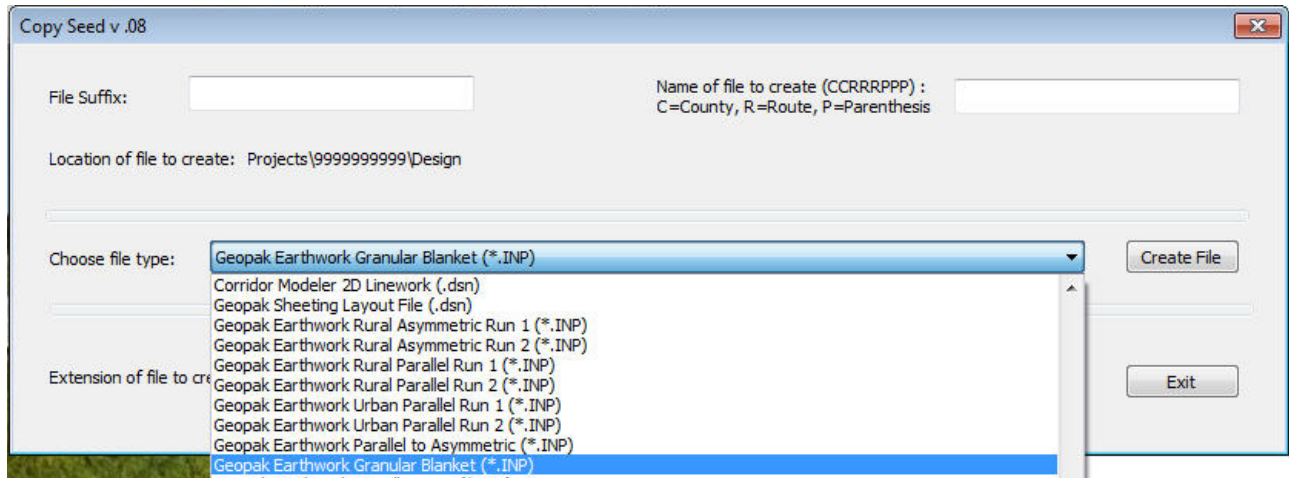


# Granular Blanket Cross-section Line Work

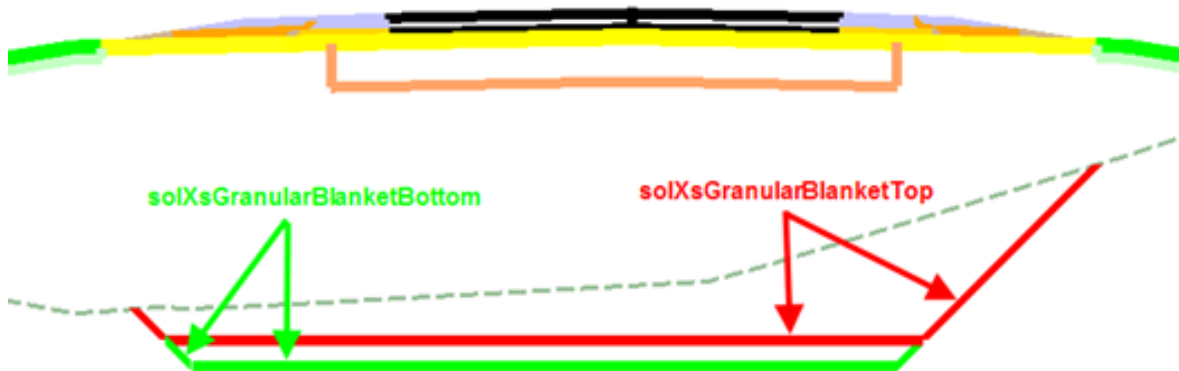
**Design Manual**  
**Chapter 21**  
**Automation Tools**  
 Originally Issued: 12-31-08  
 Revised: 10-13-14

1. Use the **CopySeed** program to create a new **Geopak Earthwork Granular Blanket (\*.INP)** input file, as shown below. Refer to Section [21C-54](#) on accessing the CopySeed program.



2. For granular blanket quantities to be calculated correctly, the top and bottom limits of the blanket area must be drawn in the XS file with elements on the proper levels (solXsGranularBlanketTop and solXsGranularBlanketBottom) as shown below. The red and green colors in this example are used for clarity. The actual elements should be placed “ByLevel”, and the correct colors will as assigned to those levels and will probably be different than shown below.

The solXsGranularBlanketTop simulates a proposed blanket surface and will return quantities for “Class 10 fill” caused by the Granular Blanket. The solXsGranularBlanketBottom simulates a proposed undercut and will return quantities for Granular Blanket fill caused by Granular Blanket. The two quantities combined will also return a total additional cut quantity.



3. After the Granular Blanket “.inp” file has been run, load the “filename.txt” file into the earthwork Excel spreadsheet and place on the “GB Input” sheet tab.

# Chronology of Changes to Design Manual Section:

## 021B-022 Granular Blanket Cross-section Line Work

10/13/2014 Revised  
Revised images to reflect ProjectWise migration.

12/31/2008  
New material.